

NR IAS ACADEMY

THE INSTITUTE FOR IAS, IPS, IRS(ALL UPSC & TNPSC EXAMINATIONS)

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NEET EXAM - 2018 (ANSWER KEY)

91. Which of the following statements is correct?

1. **Ovules are not enclosed by ovary wall in gymnosperms.✓**
2. Horsetails are gymnosperms.
3. Selaginella is heterosporous, while Salvinia is homosporous.
4. Stems are usually unbranched in both Cycas and Cedrus.

**Ref: NR IAS ACADEMY'S : +1 BOTANY
PAGE NO:36,38**

92. Pneumatophores occur in

1. **Halophytes✓**
2. Carnivorous plants
3. Free-floating hydrophytes
4. Submerged hydrophytes

**Ref: NR IAS ACADEMY 'S : Last Day
Revision**

93. Sweet potato is a modified

1. Stem
2. Tap root
3. **Adventitious root✓**
4. Rhizome

**Ref: NR IAS ACADEMY 'S : Botany Page
no:67**

94. Plants having little or no secondary growth are

1. **Grasses✓**
2. Conifers
3. Deciduous angiosperms
4. Cycads

95. Casparian strips occur in

1. Epidermis
2. Cortex
3. Pericycle
4. **Endodermis✓**

**Ref: NR IAS ACADEMY 'S : Biology vol:1
Page no:34, +1 Botany Page no : 91**

96. Secondary xylem and phloem in dicot stem are produced by

1. Apical meristems
2. Phellogen
3. **Vascular cambium✓**
4. Axillary meristems

**Ref: NR IAS ACADEMY 'S : +1 Botany Page
no: 95**

97. Select **wrong** statement:

1. Cell wall is present in members of Fungi and Plantae.
2. **Pseudopodia are locomotory and feeding structures in Sporozoans.✓**
3. Mushrooms belong to Basidiomycetes.
4. Mitochondria are the powerhouse of the cell in all kingdoms except Monera.

**Ref: NR IAS ACADEMY 'S : +1 Botany Page
no: 24**

98. The experimental proof for semiconservative replication of DNA was first shown in a

1. Fungus
2. Plant
3. **Bacterium✓**
4. Virus

**Ref: NR IAS ACADEMY 'S : +2 Botany Page
no: 81**

99. Select the correct match:

1. Alec Jeffreys - Streptococcus pneumoniae
2. Matthew Meselson and F. Stahl - Pisum sativum
3. Alfred Hershey and Martha Chase - TMV
4. **Francois Jacob and Jacques Monod - Lac operon✓**

**Ref: NR IAS ACADEMY 'S : +2 Botany Page
no: 116**

100. Select the correct statement:

1. Franklin Stahl coined the term "Linkage".
2. Spliceosomes take part in translation.
3. **Punnett square was developed by a British scientist.✓**
4. Transduction was discovered by S Altman.

**Ref: NR IAS ACADEMY 'S : +2 Botany Page
no: 73**

101. Which of the following pairs is Wrongly matched?

1. **Starch synthesis in pea: Multiple alleles✓**
2. X type sex determination : Grasshopper
3. ABO blood grouping : Co-dominance
4. T.H. Morgan : Linkage

**Ref: NR IAS ACADEMY 'S : +2 Botany Page
no : 78,83**

102. Offsets are produced by

1. Meiotic divisions 2. Parthenocarpy
 3. Mitotic divisions 4. **Parthenogenesis**✓
103. Which of the following flowers only once in its life-time?
1. **Bamboo species**✓
 2. Mango
 3. Jackfruit 4. Papaya
- Ref: NR IAS ACADEMY 'S : NCERT Chapter 1 page no: 3**
104. Which of the following has proved helpful in preserving pollen as fossils?
1. Poillenkitt 2. Oil content
 3. Cellulosic intine 4. **Sporopollenin**✓
- Ref: NR IAS ACADEMY 'S : Biology vol :4 Page no: 3**
105. Which of the following is commonly used as a vector for introducing a DNA fragment in human lymphocytes?
1. Retrovirus 2. λ phage
 3. Ti plasmid 4. pBR322
106. The correct order of steps in Polymerase Chain Reaction (PCR) is
1. Extension, Denaturation, Annealing
 2. Denaturation, Extension, Annealing
 3. Annealing, Extension, Denaturation
 4. **Denaturation, Annealing, Extension**✓
- Ref: NR IAS ACADEMY 'S : +2 Botany Page no: 202**
107. In India, the organisation responsible for assessing the safety of introducing genetically modified organisms for public use is
1. Indian Council of Medical Research (ICMR)
 2. Research Committee on Genetic Manipulation (RCGM)
 3. Council for Scientific and Industrial Research (CSIR)
 4. **Genetic Engineering Appraisal Committee (GEAC)**✓
- Ref: NR IAS ACADEMY 'S : Yesterday Revision**
108. Use of bioresources by multinational companies and organisations without authorisation from the concerned country and its people is called.
1. Bio-infringement 2. Biodegradation
 3. **Biopiracy**✓ 4. Bioexploitation
- Ref: NR IAS ACADEMY 'S : Yesterday Revision**
109. A 'new' variety of rice was patented by a foreign company, though such varieties have been present in India for a long time. This is related to
1. Co-667 2. Lerma Roja
 3. Sharbati Sonora 4. **Basmati**✓
110. Select the correct match:
1. **Ribozyme** - **Nucleic acid**✓
 2. T.H. Morgan - Transduction

3. $F_2 \times$ Recessive parent - Dihybrid cross
 4. G. Mendel - Transformation
- Ref: NR IAS ACADEMY 'S : +1 NCERT Page no 160**
111. Niche is
1. all the biological factors in the organism's environment.
 2. the range of temperature that the organism needs to live
 3. **the physical space where an organism lives**✓
 4. the functional role played by the organism where it lives.
112. Which of the following is a secondary pollutant?
1. Co 2. SO_2
 3. CO_2 4. **O_3** ✓
113. World ozone Day is celebrated on
1. 5th June 2. **16th September**✓
 3. 21st April 4. 22nd April
114. Natality refers to
1. Death rate
 2. Number of individuals leaving the habitat
 3. **Birth rate**✓
 4. Number of individuals entering a habitat
- Ref: NR IAS ACADEMY 'S : +2 NCERT Page no:228**
115. In stratosphere, which of the following elements acts as a catalyst in degradation of ozone and release of molecular oxygen?
1. Carbon 2. Fe
 3. **Cl**✓ 4. Oxygen
- Ref: NR IAS ACADEMY 'S : Yesterday Revision**
116. What type of ecological pyramid would be obtained with the following data?
- Secondary consumer: 120g
Primary consumer: 60g
Primary producer: 10g
1. **Inverted pyramid of biomass**✓
 2. Upright pyramid of numbers
 3. Pyramid of energy
 4. Upright pyramid of biomass
117. The Golgi complex participates in
1. Fatty acid breakdown
 2. Respiration in bacteria
 3. **Formation of secretory vesicles**✓
 4. Activation of amino acid
118. Which of the following is not a product of light reaction of photosynthesis?
1. ATP 2. NADPH
 3. **NADH**✓ 4. Oxygen
- Ref: NR IAS ACADEMY 'S : +1 Botany page no 212**

119. Which among the following is not a prokaryote?
 1. **Saccharomyces**✓ 2. Nostoc
 3. Mycobacterium 4. Oscillatoria
120. Stomatal movement is not affected by
 1. Temperature 2. **O₂ concentration**✓
 3. Light 4. CO₂ concentration
121. Which of the following is true for nucleolus?
 1. Larger nucleoli are present in dividing cells.
 2. It takes part in spindle formation.
 3. It is a membrane-bound structure.
 4. **It is a site for active ribosomal RNA synthesis.**✓
122. The stage during which separation of the paired homologous chromosomes begins is
 1. Pachytene 2. Diakinesis
 3. **Diplotene**✓ 4. Zygotene
Ref: NR IAS ACADEM'S :+1 Botany page no 93
123. The two functional groups characteristic of sugars are
 1. hydroxyl and methyl
 2. carbonyl and phosphate
 3. carbonyl and methyl
 4. **carbonyl and hydroxyl**✓
124. Stomata in grass leaf are
 1. Dumb-bell shaped
 2. Rectangular
 3. Kidney shaped
 4. Barrel shaped
125. Which one of the following plants shows a very close relationship with a species of moth, where none of the two can complete its life cycle without the other?
 1. Hydrilla 2. Banana
 3. **Yucca**✓ 4. Viola
Ref: NR IAS ACADEM'S : Biology vol: 4 Page no: 11
126. Pollen grains can be stored for several years in liquid nitrogen having a temperature of
 1. -120°C 2. **-196°C**✓
 3. -80°C 4. -160°C
Ref: NR IAS ACADEM'S : Biology vol:4 Page no 4
127. Double fertilization is
 1. Fusion of two male gametes of a pollen tube with two different eggs.
 2. Fusion of two male gametes with one egg.
 3. Fusion of one male gamete with two polar nuclei
 4. **Syngamy and triple fusion.**✓
Ref: NR IAS ACADEM'S :+2 NCERT Page no: 34
128. Oxygen is not produced during photosynthesis by
 1. **Green sulphur bacteria**✓
 2. Cycas
 3. Nostoc

4. Chara
129. Which of the following elements is responsible for maintaining turgor in cells?
 1. Magnesium 2. **Potassium**✓
 3. Sodium 4. Calcium
Ref: NR IAS ACADEM'S :+1 NCERT Page no: 197 Yesterday Revision
130. What is the role of NAD⁺ in cellular respiration?
 1. It functions as an enzyme.
 2. It is a nucleotide source for ATP synthesis.
 3. It functions as an electron carrier.
 4. It is the final electron acceptor for anaerobic respiration.
131. In which of the following forms is iron absorbed by plants?
 1. **Ferric**✓
 2. Free element
 3. Ferrous
 4. Both ferric and ferrous
Ref: NR IAS ACADEM'S :+1 NCERT Page no: 196 Yesterday Revision
132. Winged pollen grains are present in
 1. Mustard 2. Mango
 3. Cycas 4. **Pinus**✓
133. After karyogamy followed by meiosis, spores are produced exogenously in
 1. Neurospora 2. **Agaricus**✓
 3. Alternaria 4. Saccharomyces
Ref: NR IAS ACADEM'S :+1 NCERT Page no:24
134. Which one is wrongly matched?
 1. Uniflagellate gametes - Polysiphonia
 2. Gemma cups - Marchantia
 3. Biflagellate zoospores - Brown algae
 4. Unicellular organism - Chlorella
135. Match the items given in Column I with those in Column II and select the correct option given below:
- | Column I | Column II |
|--------------|---|
| a. Herbarium | - i. It is a place having a collection of plants and animals. |
| b. Key | - ii. A list that enumerates methodically all the species found in an area with brief description aiding identification. |
| c. Museum | - iii. It is a place where dried and pressed plant specimens on sheets are kept. |
| d. Catalogue | - iv. A booklet containing a list of characters and their alternates which are helpful in identification of various taxa. |

- | | | | | |
|----|-----|----|-----|-----|
| | a | b | c | d |
| 1) | i | iv | iii | ii |
| 2) | ii | iv | iii | i |
| 3) | iii | ii | i | iv✓ |
| 4) | iii | iv | i | ii |

Ref: NR IAS ACADEM'S :+1 Botany Page no: 12

136. Which of the following is an amino acid derived hormone?

- | | |
|------------------------|--------------|
| 1. Epinephrine✓ | 2. Estradiol |
| 3. Ecdyson | 4. Estriol |

Ref: NR IAS ACADEM'S :+1 NCERT Page no:338

137. Which of the following structures or regions is incorrectly paired with its function?

- | | |
|---------------------------|---|
| (1) Medulla oblongata | : controls respiration and cardiovascular reflexes. |
| (2) Hypothalamus | : Production of releasing of releasing hormones and regulation of temperature, hunger and thirst. |
| (3) Limbic system: | consists of fibre tracts that interconnect different regions of brain;controls movement.✓ |
| (4) Corpus callosum: | band of fibers connecting left and right cerebral hemispheres. |

Ref: NR IAS ACADEM'S :+1 NCERT Page no: 321

138. The transparent lens in the human eye is held in its place by _____

1. **ligament attached to the ciliary body✓**
2. smooth muscles attached to the iris
3. ligaments attached to the iris
4. Smooth muscles attached to the ciliary body

Ref: NR IAS ACADEM'S :+2 NCERT Page no: 323

139. Which of the following hormones can play a significant role in osteoporosis?

1. Aldosterone and Prolactin
2. **Estrogen and Parathyroid hormone✓**
3. Progesterone and Aldosterone
4. Parathyroid hormone and Prolactin

Ref: NR IAS ACADEM'S :+1 NCERT Page no: 312

140. Among the following sets of examples for divergent evolution, select the incorrect option:

1. Forelimbs of man, bat and cheetah
2. Brain of bat, man and cheetah
3. Heart of bat, man and cheetah
4. **Eye of octopus, bat and man✓**

Ref: NR IAS ACADEM'S :+2 NCERT Page no: 129,130

141. Which of the following is not an autoimmune disease?

- | | |
|----------------------|------------------------|
| 1. Psoriasis✓ | 2. Alzheimer's disease |
| 3. Rheumatoid | 4. Vitiligo |

Ref: NR IAS ACADEM'S :+2 NCERT Page no: 153

142. Which of the following characteristics represent 'Inheritance of blood groups' in humans?

- a. Dominance
 - b. Co-dominance
 - c. Multiple allele
 - d. Incomplete dominance
 - e. Polygenic inheritance
- (1) b, c and e (2) b, d and e
(3) a, b and c (4) a, c and e

143. In which disease does mosquito transmitted pathogen cause chronic inflammation of lymphatic vessels?

- | | |
|---------------------------|----------------------|
| (1) Elephantiasis✓ | (2) Ringworm disease |
| (3) Ascariasis | (4) Amoebiasis |

Ref: NR IAS ACADEM'S :+2 NCERT Page no: 149

144. The similarity of bone structure in the forelimbs of many vertebrates is an example of

- | | |
|----------------------|--------------------------|
| (1) Homology✓ | (2) Convergent evolution |
| (3) Analogy | (4) Adaptive radiation |

Ref: NR IAS ACADEM'S : Director notes Evolution Page no:3

145. Conversion of milk to curd improves its nutritional value by increasing the amount of _____

- | | |
|---------------|-----------------|
| (1) Vitamin D | (2) Vitamin B12 |
| (3) Vitamin A | (4) Vitamin E |

146. Which one of the following population interactions is widely used in medical science for the production of antibiotics?

- | | |
|------------------|----------------|
| (1) Commensalism | (2) Parasitism |
| (3) Mutualism | (4) Amensalism |

147. All of the following are included in 'Ex-situ conservation' except

- (1) Wildlife safari parks
- (2) Botanical gardens
- (3) **Sacred groves✓**
- (4) seed banks

Ref: NR IAS ACADEM'S :+2 NCERT Page no: 267

148. Match the items given in Column I with those in Column II and select the correct option given below:

- | Column I | Column II |
|----------------------|--------------------------|
| a. Eutrophication | i. UV-B radiation |
| b. Sanitary landfill | ii. Deorestation |
| c. Snow blindness | iii. Nutrient enrichment |
| d. Jhum cultivation | iv. Waste disposal |
- a b c d

1. ii i iii iv
2. **iii iv i ii✓**
3. i iii iv ii
4. i ii iv iii

Ref: NR IAS ACADEM'S : Yesterday Revision

149. In a growing population of a country,
- (1) pre-reproductive individuals are more than the reproductive individuals.
 - (2) reproductive and pre-reproductive individuals are equal in number.
 - (3) reproductive individuals are less than the post-reproductive individuals.
 - (4) pre-reproductive individuals are less than the reproductive individuals.

150. Which part of poppy plant is used to obtain the drug "Smack"?

- (1) Flowers
- (2) Roots
- (3) **Latex✓**
- (4) Leaves

Ref: NR IAS ACADEM'S :+2 NCERT Page no: 156, Yesterday Revision

151. Hormones secreted by the placenta to maintain pregnancy are
- (1) hCG, hPL, progestogens, prolactin
 - (2) **hCG, hPL, progestogens, estrogens✓**
 - (3) hCG, hPL, estrogens, relaxin, oxytocin
 - (4) hCG, progestogens, estrogens, glucocorticoids.

Ref: NR IAS ACADEM'S : Director class.

152. The contraceptive 'SAHELI'
- (1) blocks estrogen receptors in the uterus, preventing eggs from getting implanted.
 - (2) is an IUD.
 - (3) increases the concentration of estrogen and prevents ovulation in females.
 - (4) is a post-coital contraceptive.

153. The amnion of mammalian embryo is derived from.
- (1) **ectoderm and mesoderm✓**
 - (2) mesoderm and trophoblast
 - (3) endoderm and mesoderm
 - (4) ectoderm and endoderm

154. The difference between spermiogenesis and spermiation is _____

- (1) In spermiogenesis spermatids are formed, while in spermiation spermatozoa are formed.
- (2) In spermiogenesis spermatozoa from sertolicells are released into the cavity of seminiferous tubules, while in spermiation spermatozoa are formed.
- (3) In spermiogenesis spermatozoa are formed while in spermiation spermatids are formed.
- (4) **In spermiogenesis spermatozoa are formed while in spermiation spermatozoa are released from sertoli cells into the cavity of seminiferous tubules.✓**

Ref: NR IAS ACADEM'S : Director class.

155. Which of the following options correctly represents the lung conditions in asthma and emphysema, respectively?

- (1) **Inflammation of bronchioles; Decreased respiratory surface.✓**
- (2) Increased respiratory surface;
- (3) Increased number of bronchioles; Increased respiratory surface
- (4) Decreased respiratory surface; Inflammation of bronchioles

Ref: NR IAS ACADEM'S :+2 NCERT Page no: 275

156. Match the items given in Column I with those in Column II and select the correct option given below:

Column I	Column II
a. Tricuspid valve	i. Between left atrium and left ventricle
b. Bicuspid valve	ii. Between right ventricle and pulmonary artery
c. Semilunar valve	iii. Between right atrium and right ventricle

- | | | |
|----------------------|---|---|
| a | b | c |
| (1) iii i ii✓ | | |
| (2) i ii iii | | |
| (3) i iii ii | | |
| (4) ii i iii | | |

Ref: NR IAS ACADEM'S : Director class.

157. Match the items given in Column I with those in Column II and select the correct option given below:

Column I	Column II
a. Tidal volume	i. 2500 - 3000 mL
b. Inspiratory Reserve	ii. 1100 - 1200 mL
c. Expiratory Reserve	iii. 500 - 550 mL
d. Residual volume	iv. 1000 - 1100 mL

- | | | | |
|-------------------------|---|---|---|
| a | b | c | d |
| (1) iii ii i iv | | | |
| (2) i iv ii iii | | | |
| (3) iii i iv ii✓ | | | |
| (4) iv iii ii i | | | |

Ref: NR IAS ACADEM'S :+1 NCERT Page no:271

158. Match the items given in Column I with those in Column II and select the correct option given below:

Column I	Column II
a. Glycosuria	i. Accumulation of uric acid in joints
b. Gout	ii. Mass of crystallised salts within the kidney
c. Renal calculi	iii. Inflammation in glomeruli
d. glomerular	iv. Presence of glucose in nephritis urine

- | | | | |
|---|---|---|---|
| a | b | c | d |
|---|---|---|---|

- (1) iii ii iv i
 (2) ii iii i iv
 (3) i ii iii iv
 (4) **iv i ii iii✓**

Ref: NR IAS ACADEM'S :+1 NCERT Page no:299

159. Match the items given in Column I with those in Column II and select the correct option given below:

Column I (Function)	Column II (Part of Excretory)
a. Ultrafiltration	i. Henle's loop
b. Concentration of urine	ii. Ureter
c. Transport of Urine	iii. Urinary bladder
d. Storage of urine	iv. Malpighian corpuscle
	v. Proximal convoluted tubule

- a b c d
 (1) iv v ii iii
 (2) v iv i ii
 (3) **iv i ii iii✓**
 (4) v iv i iii

Ref: NR IAS ACADEM'S :+2 Zoology Page no: 78

160. Which of the following events does not occur in rough endoplasmic reticulum?

- Protein folding
- 2. Cleavage of signal peptide✓**
- Protein glycosylation
- Phospholipid synthesis

161. Which of these statements is incorrect?

- Enzymes of TCA cycle are present in, mitochondrial matrix.
- Glycolysis operates as long as it is supplied with NAD that can pick up hydrogen atoms.
- Glycolysis occurs in cytosol.
- 4. Oxidative phosphorylation takes place in outer mitochondrial membrane.✓**

162. Nissl bodies are mainly composed of

- Proteins and lipids
- Nucleic acids and SER
- DNA and RNA
- 4. Free ribosomes and FER✓**

163. Which of the following terms describe human dentition?

- Thecodont, Diphyodont, Homodont
- Pleurodont, Monophyodont, Homodont
- 3. Thecodont, Diphyodont, Heterodont✓**
- Pleurodont, Diphyodont, Heterodont

164. Select the incorrect match:

- Lampbrush - Diplotne bivalents chromosomes

- Submetacentric - L-shaped chromosomes
- Allosomes - Sex chromosomes
- 4. Polytene chromosomes - Oocytes of amphibians✓**

Ref: NR IAS ACADEM'S :+2 Botany Page no:63

165. Many ribosomes may associate with a single mRNA to form multiple copies of a polypeptide simultaneously. Such strings of ribosomes are termed as

- 1. Polysome✓**
- Plastidome
- Polyhedral bodies
- Nucleosome

Ref: NR IAS ACADEM'S :+1 Botany Page no:86

166. According to Hugo de Vries, the mechanism of evolution is

- 1. Multiple step mutations✓**
- Phenotypic variations
- Saltation
- Minor mutations

167. Match the items given in Column I with those in Column II and select the correct option given below:

Column I	Column II
a. Proliferative Phase	i. Breakdown of endometrial lining
b. Secretory Phase	ii. Follicular Phase
c. Menstruation	iii. Luteal Phase

- a b c
 1) iii ii i
 2) **ii iii i✓**
 3) i iii ii
 4) iii i ii

Ref: NR IAS ACADEM'S :+2 Zoology Page no:89

168. All of the following are part of an operon except

- an operator
- 2. an enhancer✓**
- structural genes
- a promoter

169. AGGTATCGAT is a sequence from the coding strand of a gene. What will be the corresponding sequence of the transcribed mRNA?

- 1. AGGUAUCGCAU✓**
- ACCUAUGCGAU
- UGGTUTCGCAT
- UCCAUAGCGUA

170. A woman has an X-linked condition on one of her X chromosomes. This chromosome can be inherited by

- Only daughters
- Only grandchildren
- Only sons
- Both sons and daughters

171. Which of the following gastric cells indirectly help in erythropoiesis?

- Chief cells
- Goblet cells
- Mucous cells
- Parietal cells

172. Match the items given in Column I with those in Column II and select the correct option given below:

Column I		Column II
a. Fibrinogen	-	i. Osmotic balance
b. Globuline	-	ii. Blood clotting
c. Albumin	-	iii. Defence mechanism

- a b c
1) iii ii i
2) i iii ii
3) i ii iii
4) ii iii i✓

Ref: NR IAS ACADEM'S : Biology Vol 2 Page no: 23

173. Which of the following is an occupational respiratory disorder?

1. Anthracis 2. Botulism
3. **Silicosis✓** 4. Emphysema

Ref: NR IAS ACADEM'S :+1 NCERT Page no: 276

174. Calcium is important in skeletal muscle contraction because it

1. **binds to troponin to remove the masking of active sites on actin for myosin.✓**
2. detaches the myosin head from the actin filament.
3. activates the myosin ATPase by binding to it.
4. prevents the formation of bonds between the myosin cross bridges and the actin filament.

Ref: NR IAS ACADEM'S :+1 NCERT Page no: 307

175. Identify the vertebrate group of animals characterized by crop and gizzard in its digestive system.

1. Amphibia 2. **Aves✓**
3. Reptilia 4. Osteichthyes

Ref: NR IAS ACADEM'S :+2 NCERT Page no:58

176. Ciliates differ from all other protozoans in

1. using flagella for locomotion
2. using pseudopodia for capturing prey
3. **having a contractile vacuole for removing excess water✓**
4. having two types of nuclei

Ref: NR IAS ACADEM'S :+1 NCERT Page no:22

177. Which of the following features is used to identify a male cockroach from the female cockroach?

1. **Presence of a boat shaped sternum on the 9th abdominal segment.✓**
2. Forewings with darker tegmina
3. Presence of caudal styles
4. Presence of anal cerci

178. Which one of these animals is not a homeotherm?

1. Macropus 2. Camelus
3. **Chelone✓** 4. Psittacula

179. Which of the following animals does not undergo

metamorphosis?

1. **Earthworm✓** 2. Moth
3. Tunicate 4. Starfish

180. Which of the following organisms are known as chief producers in the oceans?

1. Dinoflagellates 2. Cyanobacteria
3. **Diatoms✓** 4. Euglenoids