

Question 1

Most of the protein measured in the cells was likely synthesized by

- A) mitochondria.
- B) nucleolus.
- C) smooth endoplasmic reticulum.
- D) ribosomes.

Answer: <https://biology-forums.com/index.php?topic=1882889>

Question 2

Which of the following may be a consequence of low secretion of parathyroid hormone?

- A) convulsive contractions of skeletal muscles
- B) gigantism
- C) exhaustion of the immune system
- D) loss of calcium from the bone

Answer: <https://biology-forums.com/index.php?topic=1882054>

Question 3

_____ rely completely on innate immunity.

- A) Giraffes
- B) Dogs
- C) Humans
- D) Beetles

Answer: <https://biology-forums.com/index.php?topic=1881935>

Question 4

Stem cells found in the red marrow inside bones

- A) phagocytize bacterial cells.
- B) are primarily important in blood clotting.
- C) are responsible for an immune response.
- D) can differentiate into all blood cells and platelets.

Answer: <https://biology-forums.com/index.php?topic=1881879>

Question 5

You have a cup of vegetable oil and a vial full of normal phospholipids. What would you predict would happen if you dropped the phospholipids into the cup of vegetable oil?

- A) The phospholipids would form a sphere with the heads on the inside.
- B) The phospholipids would form a sphere with the tails on the inside.
- C) The phospholipids would float on the surface of the oil with the tails in the air.
- D) The phospholipids would float on the surface of the oil with the heads in the air.

Answer: <https://biology-forums.com/index.php?topic=1882815>

Question 6

The male organ of a flower is the

- A) style.
- B) stamen.
- C) sepal.
- D) carpel.

Answer: <https://biology-forums.com/index.php?topic=1882340>

Question 7

Evidence from fossil dentition suggests that Australopithecus species

- A) evolved specifically to eat meat.
- B) experienced a decrease in both tooth size and brain size.
- C) were direct ancestors of modern humans.
- D) were adapted to function successfully in a wide range of habitats.

Answer: <https://biology-forums.com/index.php?topic=1883854>

Question 8

Reptiles are not able to eat as frequently as mammals and birds can eat. This is due to a trait that mammals and birds share but that reptiles do not have. What is this trait?

- A) airfoils
- B) endothermy
- C) amniotic egg
- D) teeth

Answer: <https://biology-forums.com/index.php?topic=1883821>

Question 9

Which of the following animal groups is characterized by the absence of tails?

- A) apes
- B) Old World monkeys
- C) New World monkeys
- D) lemurs

Answer: <https://biology-forums.com/index.php?topic=1883819>

Question 10

Which part of a bone contains the cells that produce blood cells?

- A) compact bone
- B) cartilage
- C) spongy bone
- D) yellow bone marrow

Answer: <https://biology-forums.com/index.php?topic=1882270>

Question 11

Which of the following endocrine glands synthesizes melatonin?

- A) pineal
- B) adrenal cortex
- C) thyroid
- D) parathyroid

Answer: <https://biology-forums.com/index.php?topic=1882045>

Question 12

From the left ventricle, oxygen-rich blood flows through the

- A) superior vena cava.
- B) aorta.
- C) pulmonary artery.
- D) pulmonary vein.

Answer: <https://biology-forums.com/index.php?topic=1881845>

Question 13

Which of the following is characteristic of the circulatory system of arthropods?

- A) lack of a heart
- B) lack of blood
- C) lack of blood vessels
- D) lack of distinction between blood and interstitial fluid

Answer: <https://biology-forums.com/index.php?topic=1881834>

Question 14

A pathologist who wants to examine a patient's liver cells to determine if the mitochondria have an internal structural defect will likely need to use a

- A) light microscope.
- B) transmission electron microscope.
- C) scanning electron microscope.
- D) chromatin stain.

Answer: <https://biology-forums.com/index.php?topic=1882842>

Question 15

Which of the following substances is made of lipids?

- A) DNA
- B) cellulose

- C) steroids
- D) enzymes

Answer: <https://biology-forums.com/index.php?topic=1882790>

Question 16

Consider a stable frog population living at carrying capacity in a pond. If an average female produces 6,000 eggs during her lifetime and an average of 300 tadpoles hatch from these eggs, how many of these tadpoles will, on average, survive to reproduce?

- A) 0
- B) 2
- C) 10 to 20
- D) more than 100

Answer: <https://biology-forums.com/index.php?topic=1882616>

Question 17

The role of the nontreated males in this experiment is

- A) to increase the sample size.
- B) to act as controls.
- C) to show that not all matings are successful.
- D) to determine number of matings per frog.

Answer: <https://biology-forums.com/index.php?topic=1882603>

Question 18

At what point on the graph are thick and thin filaments most overlapped?

- A) point A
- B) point B
- C) point D
- D) point E

Answer: <https://biology-forums.com/index.php?topic=1882308>

Question 19

If you commit a crime, you need to make sure that you do not leave even the smallest speck of blood, hair, or other organic matter from your body. If you do, the DNA in this material can be amplified by _____, subjected to genetic analysis, and used to identify you as the perpetrator of the crime.

- A) PCR
- B) STR analysis
- C) RFLP
- D) restriction digests

Answer: <https://biology-forums.com/index.php?topic=1883332>

Question 20

Which of the following statements regarding stem cells is false?

- A) Embryonic stem cells can give rise to all the different specialized cells in the body.
- B) Adult, but not embryonic, stem cells can be grown in laboratory culture.
- C) Adult stem cells are present in adult tissues.
- D) Adult stem cells are partway along the road to differentiation.

Answer: <https://biology-forums.com/index.php?topic=1883271>