Free ATI TEAS 7 Science Practice Test

Section: ATI TEAS 7 Science Exams • **Total Questions:** 10 • **Format:** Verified Q&A

1. Why should data be rejected in this scenario?

> *A researcher wants to gather data on the average wing strength of all birds found in the American Northwest. The researcher only has one small net, so all large birds were excluded from the study. The researcher's results were different than expected, but he believes his data includes enough birds to estimate the strength of all birds.*

(A) Data contradicts the control group.
(B) Data were different from expectations.
(C) Data cannot be displayed graphically.
(D) Data are based on flawed methodology.

2. Which of the following cells secrete bone material?

(A) Chondrocyte
(B) Odontocyte
(C) Ameloblast
(D) Osteocyte

3. The system of interconnected tubes involved in protein production is called

(A) the lysosome.
(B) rough endoplasmic reticulum.
(C) basal bodies.
(D) the cytoskeleton.

4. Which of the following is a hinge joint?

(A) Thumb
(B) Jaw
(C) Shoulder
(D) Wrist

5. In light of the recent discovery that worm infection can relieve certain autoimmune disorders, how should the hypothesis be modified regarding parasitic infections?

(A) Worm infection reduces certain autoimmune disorders.
(B) Worm infestation is a cause of some autoimmune disorders.
(C) Worm infestation prevents immune malfunction.
(D) Worm infections exacerbate immune reactions.

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6. Which of the following organs filters excess solutes from the blood?

(A) Stomach
(B) Kidney
(C) Gallbladder
(D) Spleen

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7. Which of the following is correct regarding the pH scale?

(A) A substance with a pH of 3 is 10 × more alkaline than a substance with a pH of 4.
(B) A substance with a pH of 3 is two × more alkaline than a substance with a pH of 4.
(C) A substance with a pH of 3 is two × more acidic than a substance with a pH of 4.
(D) A substance with a pH of 3 is 10 × more acidic than a substance with a pH of 4.

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8. Which of the following describes a genetic mutation that results in uncontrolled division of a single cell within the body?

(A) Gene therapy
(B) Stem cell
(C) Translai
(D) Cancer

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9. Which of the following is a correct statement regarding photosynthesis and respiration?

(A) Photosynthesis releases oxygen
(B) Respiration produces glucose
(C) Respiration releases oxygen
(D) Photosynthesis produces water

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10. Which of the following organic molecules contains both an amine and a carboxyl group?

(A) Lipids
(B) Cellulose
(C) Chitin
(D) Proteins