

NEXT Generation Science Standards Intro

Section: NLN NEX Science Exams • Total Questions: 10 • Format: Verified Q&A

1. This question refers to the diagram below showing several stages in the human reproductive cycle. In which of these structures does the process represented by stage A normally occur?

- (A) Vagina
 - (B) Ovary
 - (C) Uterus
 - (D) Fallopian tube
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2. The chemical reaction that occurs when an antacid is prescribed to treat indigestion is represented by the formula: $\text{Mg}(\text{OH})_2 + \text{HCl} \rightarrow \text{MgCl}_2 + \text{H}_2\text{O}$. Other than water, what compound is produced from this reaction?

- (A) Magnesium Chloride
 - (B) Magnesium Hydride
 - (C) Magnesium Hydroxide
 - (D) Hydrochloric Acid
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3. In which of the following pairs of organisms are both examples of invertebrates?

- (A) Bird and bat
 - (B) Oyster and fish
 - (C) Snake and snail
 - (D) Earthworm and squid
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4. In humans, a lack of which of these nutrients can cause the condition known as night blindness?

- (A) Calcium
 - (B) Niacin
 - (C) Vitamin D
 - (D) Vitamin A
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5. When removing the uterus, which structure located directly under the uterine artery must the surgeon avoid?

- (A) Kidney
 - (B) Ureter
 - (C) Vagina
 - (D) Fallopian tube
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6. Which of the following organisms is composed of cells with walls?

- (A) Human
 - (B) Oak Tree
 - (C) Domestic Cat
 - (D) Protozoa
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7. Which of the following statements is true regarding the difference between meiosis and mitosis?

- (A) Meiosis creates half the number of chromosomes as mitosis
 - (B) Meiosis only happens in stem cells
 - (C) Meiosis occurs with RNA, and mitosis occurs with DNA
 - (D) Meiosis occurs in all cells, but some of those cells choose to go through meiosis
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8. Which of the following organisms is composed of cells with walls?

- (A) Domestic Cat
 - (B) Protozoa
 - (C) Human
 - (D) Oak Tree
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9. In order to sterilize a metal probe in the office, a dentist could use a steam sterilizer. If this were not available, the next most effective method of making the instrument sterile would be

- (A) washing it in soap and water
 - (B) boiling it in water for 15 minutes
 - (C) dipping it into a concentrated acid solution
 - (D) heating it in a hot oven at 160° for 20 minutes
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10. Consuming raw cookie dough poses the greatest risk of

- (A) indigestion
 - (B) Trichinellosis infection
 - (C) E. coli infection
 - (D) Salmonella infection
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