



Name _____ Class _____ Date _____

1 When people who are **allergic** to pollen come in contact with pollen, **their eyes begin to water and itch due to the release of**

- A antigens from red blood cells
- B enzymes from platelets
- C histamines from body cells
- D hormones from the pituitary gland

2 Which **nutrient** should provide the largest percentage of calories in a **well-balanced diet**?

- A carbohydrates
- B incomplete proteins
- C saturated fats
- D water

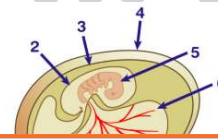
3 A disorder of the digestive system that can cause **severe dehydration** is known as

- A appendicitis
- B gallstones
- C constipation
- D diarrhea



4 Which structure contains a fluid that **protects** the embryo from **physical shock** and **prevents adhesion of embryonic tissues** to the shell?

- A 1
- B 2
- C 5
- D 6



5

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PREVIEW

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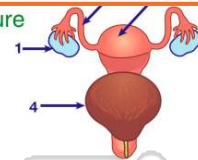
7

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- B a parasitic infestation of ringworm on the body
- C the production of antibodies in response to an infection in the body
- D the presence in the body of the virus that causes AIDS

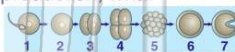
developing within structure

- A 1
- B 2
- C 3
- D 4



9

The sequence of diagrams below represents some events in a **reproductive process**. To regulate similar events in human reproduction, what adaptations are required?



- A the presence of genes and chemicals in each cell in stages 1 to 7
- B an increase in the number of genes in each cell in stages 3 to 5
- C the removal of all enzymes from the cells in stage 7
- D the elimination of mutations from cells after stage 5

10

The most **immediate response** to a high level of blood sugar in a human is an **increase** in the

- A muscle activity in the arms
- B blood flow to the digestive tract
- C activity of all cell organelles
- D release of insulin



ANSWER KEY

When people who are **allergic** to pollen come in contact with pollen, **their eyes begin to water and itch due to the release of**

- A** antigens from red blood cells
- B** enzymes from platelets
- C** histamines from body cells
- D** hormones from the pituitary gland

(C)

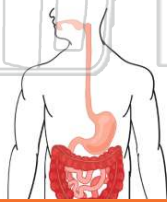
Which **nutrient** should provide the largest percentage of calories in a **well-balanced diet**?

- A** carbohydrates
- B** incomplete proteins
- C** saturated fats
- D** water

(a)

A disorder of the digestive system that can cause **severe dehydration** is known as

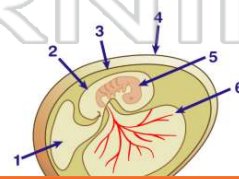
- A** appendicitis
- B** gallstones
- C** constipation
- D** diarrhea



(d)

Which structure contains a fluid that **protects** the embryo from **physical shock** and **prevents** **adhesion of embryonic tissues** to the shell?

- A** 1
- B** 2
- C** 5
- D** 6



(b)

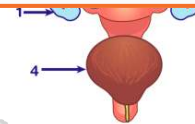


PREVIEW

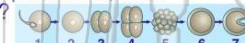
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- C** the production of antibodies in response to an infection in the body
- D** the presence in the body of the virus that causes AIDS

- A** 1
- B** 2
- C** 3
- D** 4



The sequence of diagrams below represents some events in a **reproductive process**. To regulate similar events in human reproduction, what adaptations are required?



- A** the presence of genes and chemicals in each cell in stages 1 to 7
- B** an increase in the number of genes in each cell in stages 3 to 5
- C** the removal of all enzymes from the cells in stage 7
- D** the elimination of mutations from cells after stage 5

(a)

The most **immediate response** to a high level of blood sugar in a human is an **increase** in the

- A** muscle activity in the arms
- B** blood flow to the digestive tract
- C** activity of all cell organelles
- D** release of insulin

(d)