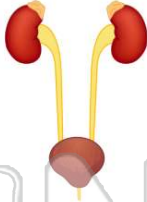




Name _____ Class _____ Date _____


1 In humans, the immediate result of a **blockage in one ureter** would be to

- A limit the ability to store urine
- B prevent filtration of the blood
- C stop the release of urine from the body
- D decrease the amount of urine entering the bladder




2 Which structures in a human transmit **electrochemical messages**?

- A veins
- B lymphocytes
- C neurons
- D nephrons



3 The part of the human central nervous system that conducts impulses from the **brain** to the **peripheral nervous system** is protected by the

- A vertebrae
- B effectors
- C receptors
- D



4 Maintenance of proper levels of **intercellular fluid** is most closely associated with

- A pulmonary circulation
- B coronary circulation
- C lymphatic circulation
- D

5



PREVIEW

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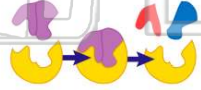
7

- A
- B produces antibodies in their blood
- C attacks muscle tissue
- D kills pathogens

- B the birth of a male baby
- C a baby being born with a viral infection
- D a baby being born with medical problems

9 A characteristic of **hormones** and **enzymes** that allows them to work effectively with other organic molecules is their

- A specific shape
- B small size
- C concentration of carbon and hydrogen atoms
- D high-energy bonds



10 The **pancreas produces** one hormone that lowers blood sugar level and another that increases blood sugar level. **The interaction of these two hormones most directly helps humans to**

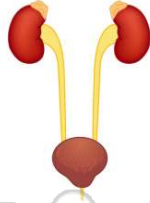
- A maintain a balanced internal environment
- B digest needed substances for other body organs
- C dispose of wastes formed in other body organs
- D increase the rate of cellular communication



ANSWER KEY

In humans, the immediate result of a **blockage in one ureter** would be to

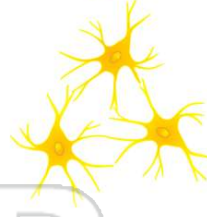
- A** limit the ability to store urine
- B** prevent filtration of the blood
- C** stop the release of urine from the body
- D** decrease the amount of urine entering the bladder



(d)

Which structures in a human transmit **electrochemical messages**?

- A** veins
- B** lymphocytes
- C** neurons
- D** nephrons



(c)

The part of the human central nervous system that conducts impulses from the **brain** to the **peripheral nervous system** is protected by the

- A** vertebrae
- B** effectors
- C** receptors
- D** glomeruli



(a)

Maintenance of proper levels of **intercellular fluid** is most closely associated with

- A** pulmonary circulation
- B** coronary circulation
- C** lymphatic circulation
- D** systemic circulation

(c)



PREVIEW

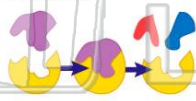
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- C** attacks muscle tissue
- D** kills pathogens

- C** a baby being born with a viral infection
- D** a baby being born with medical problems

A characteristic of **hormones** and **enzymes** that allows them to work effectively with other organic molecules is their

- A** specific shape
- B** small size
- C** concentration of carbon and hydrogen atoms
- D** high-energy bonds



(a)

The **pancreas produces** one hormone that lowers blood sugar level and another that increases blood sugar level. **The interaction of these two hormones most directly helps humans to**

- A** maintain a balanced internal environment
- B** digest needed substances for other body organs
- C** dispose of wastes formed in other body organs
- D** increase the rate of cellular communication

(a)