Horseshoe Crab Blood

Name: _____ Date: _____

Vocabulary Words: Match the definition to each word.

1. Blood is absolutely _____ for human life.
2. Horseshoe crab blood reacts to harmful bacterial _____ by clumping together.
3. If horseshoe crab blood is exposed to dangerous bacteria, the blood _____ immediately.
4. Scientists perform a form of _____ on horseshoe crabs to collect their blood.
5. Horseshoe crab blood is turned into a material used to test for dangerous _____ organisms

Word bank: Essential, Toxins, Clots, Transfusions, Biological

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Multiple Choice: Choose the correct answer from the choices for each question.

1. How many basic types of human blood are there?
   a) Two (A and B)
   b) Three (A, B, and O)
   c) Four (A, B, O, and AB)
   d) Five (A, B, O, AB, and HC)

2. What color is the blood of a horseshoe crab?
   a) Red
   b) Green
   c) Blue
   d) Clear

3. How does horseshoe crab blood react to non-harmful bacteria?
   a) It does not clot.
   b) It turns bright red.
   c) It destroys the bacteria instantly.
   d) It clots right away.

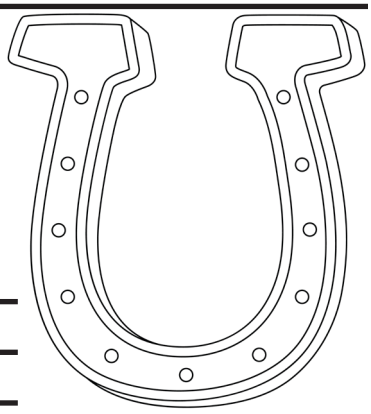
4. What medical application was developed using horseshoe crab blood?
   a) A cure for human red blood cell diseases
   b) A test to detect harmful viruses, vaccines, and biological organisms
   c) A treatment to speed up heart operations
   d) An artificial replacement for human blood

Discussion & Reflection: Answer the following questions in complete sentences

1. Explain the unique medical property of horseshoe crab blood when it comes into contact with different types of bacteria. _____

2. Do you think God had a specific purpose in mind when makeing Horeshoe Crabs?

3. This shows me that God is (Circle the word):

Wise Powerful Caring Creative All of the above

Explain your choice: