Jellyfish Eyes

Name: _____ Date: _____

Vocabulary Words: Match the definition to each word.

1. Preserved remains found deep in rock layers are calld _____.
2. Salt-tolerant trees known as _____ grow along coastal shorelines.
3. The light-sensing organs of this jellyfish feature a clear outer surface called a _____.
4. Jellyfish keep themselves in the _____ spot to absorb maximum nutrition.
5. Each complex eyeball measures less than a quarter-inch in _____.

Word bank: cornea, fossils, diameter, mangroves, optimum

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

1. Up to how many eyeballs do the jellyfish discussed have?
   - A) 4
   - B) 12
   - C) 24
   - D) 48

2. How many of the eyeballs are described as being nearly as complex as a human eye?
   - A) About 2
   - B) About 4
   - C) About 12
   - D) All 24

3. What primary environmental feature do these jellyfish use their eyes to navigate around?
   - A) Deep-ocean thermal vents
   - B) Coral reef ledges
   - C) Open ocean current swells
   - D) Mangrove tree roots

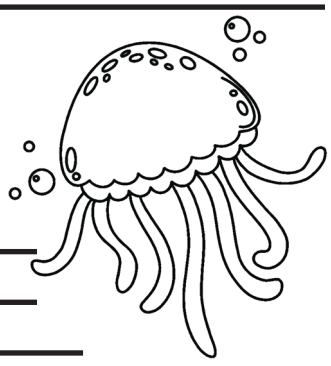
4. Why is the presence of complex eyes in these jellyfish considered surprising or paradoxical by researchers?
   - A) Jellyfish live in pitch-black water where light does not penetrate.
   - B) Jellyfish are among the earliest, simplest animals, yet possess highly advanced eyes.
   - C) Jellyfish lose their eyes as they mature into adulthood.
   - D) Jellyfish eyes are larger than their entire body.

Discussion & Reflection: Answer the following questions in complete sentences

1. How do moving ocean tides impact the jellyfish's environment, and how do its eyes specifically help it survive these tidal changes? _____

2. Describe the key anatomical structures shared between the complex jellyfish eyeballs and human eyes. Why is it advantageous for the jellyfish to have such compact structures?

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

Wise Powerful Caring Creative All of the above

Explain your choice: