The Magic Can of Evolution: Exploring Life and Complexity

Name: ANSWER KEY Date: _____

Vocabulary Words: Match the definition to each word.

1. Even the simplest ___cell___ has thousands of parts.
2. In the experiment, the parts of a ___pen___ were put into a can.
3. The experiment used ___energy___ to try to make the pen come together.
4. The story compared making a pen to making a living ___person___.
5. Some people believe life exists because ___God___ made it.

Word Bank: cell, person, energy, pen, God

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

1. What was added to the can to try to make the pen assemble?
   a) Water
   b) Firecrackers
   c) Magnets
   d) Glue

2. What is the main idea of the experiment?
   a) Pens are hard to build
   b) Life is simple
   c) Complex things cannot form just by chance and energy
   d) Monkeys can build pens

3. According to the passage, what does each part of a cell do?
   a) Nothing
   b) It has a specific job
   c) It moves randomly
   d) It only stores energy

4. How do most people learn about the origin of life in school?
   a) Life was built by humans
   b) Life formed from random energy in the "primordial soup"
   c) Life came from another planet
   d) Life always existed

Discussion & Reflection: Answer the following questions in complete sentences

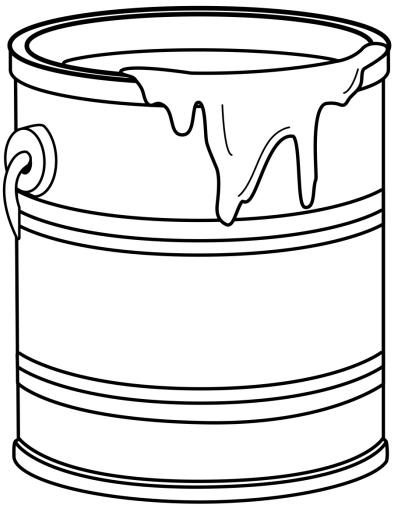
1. Why is it that a cell cannot form by random chance and energy alone?

a cell is extremely complex, with thousands of parts that must be put together in a specific way. Tt is impossible for all the parts of a cell to randomly assemble into life without someone or something designing or creating it on purpose.

2. What do you think is the main message of the "magic can of evolution" experiment?

Life it far too complex to be formed by random chance. The only way it would be able to come into being is by the hand of God, the intelligent creator of everything.

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

Wise Powerful Caring Creative All of the above

Explain your choice: