**Can You Spot the Scientific Method?**

**Each sentence below describes a step of the scientific method. Match each sentence with a step of the scientific method listed below.**

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| \_\_\_\_ 1. Stephen predicted that seeds would start to grow faster if an electric current traveled through the soil in which they were planted.  \_\_\_\_ 2. Susan said, “If I fertilize my geranium plants, they will blossom.”  \_\_\_\_ 3. Jonathan’s data showed that household cockroaches moved away from raw cucumber slices.  \_\_\_\_ 4. Rene grew bacteria from the mouth on special plates in the laboratory. She placed drops of different mouthwashes on bacteria on each plate.  \_\_\_\_ 5. Kathy used a survey to determine how many of her classmates were left-handed and how many were right-handed.  \_\_\_\_ 6. Jose saw bats catching insects after dark. He asked, “How do bats find the insects in the dark?”  \_\_\_\_7. Justin wondered if dyes could be taken out of plant leaves, flowers, and stems.  \_\_\_\_ 8. Alice soaked six different kinds of seeds in water for 24 hours. Then she planted the seeds in soil at a depth of I cm. She used the same amount of water, light, and heat for each kind of seed.  \_\_\_\_9. Bob read about growing plants in water. He wanted to know how plants could grow without soil.  \_\_\_\_ 10. Kevin said, “If I grow five seedlings in red light, I think the plants will grow faster than the five plants grown in white light.”  \_\_\_\_ 11. Angela’s experiment proved that earthworms move away from light.  \_\_\_\_ 12. Scott said, “If acid rain affects plants in a particular lake, it might affect small animals, such as crayfish, that live in the same water.”  \_\_\_\_ 13. Michael fed different diets to three groups of guinea pigs. His experiment showed that guinea pigs need vitamin C and protein in their diets.  \_\_\_\_ 14. Kim’s experiment showed that chicken eggshells were stronger when she gave the hen feed, to which extra calcium had been added. | **A. Recognize a problem**  **B. Form a hypothesis**  **C. Test the hypothesis with an experiment**  **D. Draw conclusions** |

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