# 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.*

A. Recognize a problem
B. Form a hypothesis
C. Test the hypothesis with an experiment
D. Draw conclusions

_____ 8. Stephen predicted that seeds would start to grow faster if an electric current traveled through the soil in which they were planted.

_____ 9. Susan said, "If I fertilize my geranium plants, they will blossom."

_____ 10. Jonathan's data showed that household cockroaches moved away from raw cucumber slices.

_____ 11. Rene grew bacteria from the mouth on special plates in the laboratory. She placed drops of different mouthwashes on bacteria on each plate.

_____ 12. Kathy used a survey to determine how many of her classmates were left-handed and how many were right-handed.

_____ 13. Dana wanted to know how synthetic fibers were different from natural fibers.

_____ 14. Jose saw bats catching insects after dark. He asked, "How do bats find the insects in the dark?"

_____ 15. Justin wondered if dyes could be taken out of plant leaves, flowers, and stems.

_____ 16. Arjulia soaked six different kinds of seeds in water for 24 hours. Then she planted the seeds in soil at a depth of 1 cm. She used the same amount of water, light, and heat for each kind of seed.

_____ 17. Bob read about growing plants in water. He wanted to know how plants could grow without soil.

_____ 18. 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."

_____ 19. Angela's experiment proved that earthworms move away from light.

_____ 20. 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."

_____ 21. Michael fed different diets to three groups of guinea pigs. His experiment showed that guinea pigs need vitamin C and protein in their diets.

_____ 22. Kim's experiment showed that chicken egg shells were stronger when she gave the hen food to which extra calcium had been added.