

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

### Can You Spot the Scientific Method????

Each statement below describes a step in the scientific method. Choose the statement from the word bank below that best matches each.

- a. Recognize the **problem**
- b. Form a **hypothesis**
- c. Test the hypothesis with an **experiment**
- d. Draw **conclusions**

\_\_\_\_\_ 1. Susan said, "If I put fertilizer on my plants, they will grow better."

\_\_\_\_\_ 2. Angela's experiment showed that earthworms move away from bright light.

\_\_\_\_\_ 3. Jonathan put cockroaches in areas where there were raw cucumber slices. He put others in areas where there were plastic discs shaped like cucumber slices. He made observations and collected data about the behavior of cockroaches.

\_\_\_\_\_ 4. Joe saw bats catching insects after dark. He wondered how the bats found the insects.

\_\_\_\_\_ 5. Bob read about growing plants in water with no soil. He wanted to know how plants can grow without soil.

\_\_\_\_\_ 6. Jeff used a survey to find out how many students in her class were right-handed and how many were left-handed.

\_\_\_\_\_ 7. Jess wondered if dyes could be taken out of the stems, leaves, and flowers of plants.

\_\_\_\_\_ 8. Julie soaked the seed of three different plants in water for 24 hours. She planted the seeds 1 cm deep. She used the same amount of water, light and heat for all the seeds.

\_\_\_\_\_ 9. Kim's experiment showed that chicken egg shells are stronger when you feed the hens food that has extra calcium in it.

\_\_\_\_\_ 10. Sam predicted that plant seeds will start growing faster if electric current is passed through the soil where they are planted.