

The Scientific Method Worksheet (Part 2)

Each sentence below describes a step of the scientific method.

Match each sentence with a step of the scientific method.

- A. recognize a problem C. test the hypothesis (experiment)
B. form a hypothesis D. draw conclusions

1. Keisha 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.
2. Chris read about growing plants in water. He wanted to know how plants could grow without soil.
3. Kevin said, "If I grow 5 seedlings in red light, the plants will grow faster than 5 plants grown in white light."
4. Angela's experiment showed that earthworms move away from light.
5. Scott said, "If acid rain affects plants in a particular lake, it can affect small animals, such as crayfish, that live in the same water."
6. Michael experimented with the diets of guinea pigs. He found that guinea pigs need vitamin C and protein in their diets.
7. Kim's experiment showed that chicken egg shells become stronger if the hen ate feed to which extra calcium has been added.

...ent can prove your hypothesis wrong!
...ould be at least two groups in your experiment. The first group is the experimental group.
...oup is the group that has the factor that is being tested (Experimental Variable). It is easy
...tify the experimental variable, since it is usually stated in the hypothesis. The second group

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