

Name: _____

Date: _____

The Scientific Method and Levels of Knowledge

1. Do you think that there is a relationship between an **idea** and an **opinion**? Use the space below to describe what that relationship might be. _____

2. Explain the difference between a **theory** and a **fact**. _____

3. What is the **scientific method**? _____

4. Why do you think it is important for scientists to ask a **clear and testable question** before conducting an experiment? _____

5. What is a **hypothesis**? _____

6. Why do you think it is important to make a hypothesis before conducting an experiment? _____

7. Explain the difference between the **results** section of the scientific method and the **conclusion** section. _____

