

Name _____

6th Grade Science Summer Work

Scientific Method—Due August 16, 2024

Part 1:

Directions: Watch the video about the process of the scientific method linked below. After watching the video, answer the questions provided.

<https://www.youtube.com/watch?v=SMGRe824kak>

1. What are the six steps to the Scientific Method according to the video?
2. How do scientists form a hypothesis?
3. After forming a hypothesis, what do scientists do next?
4. What are examples of data that can be collected during an experiment?
5. What is an experiment?
6. Why do scientists write down every detail of an experiment?

Part 2:

Directions: Watch the video of a cloud in a jar experiment. Feel free to do this experiment with your parent! After watching the video, apply your knowledge from the first video and the second to answer the questions provided.

<https://www.youtube.com/watch?v=A3GJpHE-KeE>

7. What is the purpose or problem of this experiment?
8. What would the hypothesis be for this specific experiment?
9. What kind of data could be collected for this experiment?
10. What steps were taken to complete the experiment? (Remember, be detailed so someone could repeat this experiment from your description!)