



Name\_\_\_\_\_

Date\_\_\_\_\_

Directions: Please remember lab safety!

- Mix together the cornstarch, water, and food coloring with the spoon provided.
  - 1. Describe what you created.**
  - 2. What state of matter do you think your Oobleck is in? Why?**
- Measure the mass of the empty graduated cylinder.
  - 3. Why would we need to know the mass of the empty graduated cylinder?**
  - 4. What is the mass of your graduated cylinder?**
- Spoon some Oobleck in the graduated cylinder using the funnel provided.
  - 5. Explain how to use the triple beam balance.**
  - 6. What is the mass of the Oobleck *inside* the graduated cylinder?**

- Change the amount of Oobleck and measure the mass and volume again.
- 7. Explain how to use the graduated cylinder to find volume.**

**8. What is the volume of the Oobleck?**

**9. What is the difference between mass and volume?**

**10. What questions do you have about matter?**

**Bonus: What is the difference between measuring mass and weight?**