

**Name(s):**

**Date:**

**Stream Site Name / Number:**

## Planning and Carrying Out the Investigation

After getting to know your equipment and monitoring procedures, take a minute to think about how what you've learned applies to your stream study and identify any information you need before you begin collecting data.

Directions: Answer each question in complete sentences. Use the "Think About" prompts to add detail.

### **1. Describe the types of data you will be collecting and the methods you will use to collect data.**

Think About:

- What water quality tests will you be completing?
- How will you make sure you follow the same sampling steps every time?
- How many measurements will you take, and how often, to help answer your driving question?
- How will you record data?

**Your Response:**

**2. What expectations do you have regarding the values for each parameter at your study site, and how much do you expect these values to vary day-to-day?**

Think About:

- Do you expect the average values you find for each parameter to be typical, low, or high? Explain your reasoning.
- What factors could cause these values to fluctuate, and do you expect them to affect your study site? Why or why not?

**Your Response:**

**3. What questions do you have after being introduced to the equipment and sampling procedures?**

Think About:

- Is there any part of the equipment or procedures you don't fully understand yet?
- What do you still wonder about how the tests work or what they tell you?
- What do you need to practice or review before you feel confident collecting data?

**Your Response:**