**PART 1**

**What are three things you’ve learned about (biodiversity/soils/landscape) today?**

1.

2.

3.

**Here are some other measurements from the BEST plots.**

Plant biomass # of invertebrate species

# of invertebrates # of plant species

Soil pH Soil moisture

Soil type Type of surrounding land cover

% sand in soil Soil Nitrate

Soil ammonium

If you had to plan an experiment, what would you want to know next? You can use the variables listed above or collect more data on the BEST plots. In small groups brainstorm: **What questions would you ask next about the [invertebrates/plants/soils/landscapes] on the BEST plots?**

1.

2.

3.

4.

 **PART 2**

**Choose one of your ideas to explore further.**

My question:

**Propose a hypothesis that predicts the answer to your question. Explain why you think this is the answer.**

Hypothesis:

**What data would you need to answer this question?**

**How would you collect this data?**

**If your hypothesis is supported, describe what the data will look like using the sketch of a graph. Make sure to include axes labels!**

