Name:	Date:
Teacher:	Period:
Group members, if any:	Topic:

1. Before you build and complete your diagram, answer the following questions:

Why is it important to accurately evaluate connections between evidence and models? Check all the boxes that you think apply.

- ☐ Accurately evaluating connections helps me check if models are supported by strong, relevant evidence.
- ☐ Accurately evaluating connections helps me make sure that models align with popular opinions and trends.
- ☐ Accurately evaluating connections helps me make scientific judgments about model truthfulness.
- ☐ Accurately evaluating connections helps me identify gaps or inconsistencies in the evidence supporting the model.
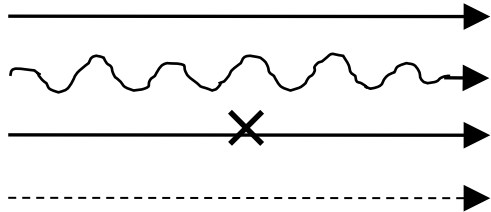
Explain why you selected your choices above. What was your reasoning for the selections you chose?

When instructed, flip over to Page 2.

2. Construct and complete your diagram

<u>**Directions**</u>: **Write the number of each piece of evidence (#1-8) you are using and each model (A, B, or C) you have selected in the boxes below. Then draw 2 arrows from each evidence box, one to each model. You will draw a total of 8 arrows.**

Key:

The evidence **supports** the model

The evidence **STRONGLY supports** the model

The evidence **contradicts** the model (shows it is wrong)

The evidence has **nothing to do with** the model

Evidence #_____

Model _____

Evidence #_____

Evidence #_____

Model _____

Evidence #_____