

The Power of Water  
DATA COLLECTION SHEET

1) Which human need did you decide to focus on in your model? (Circle one)

Transportation      Habitation      Agriculture

2) How much water was required to fill your river system

\_\_\_\_ mL

3) What needs were met?

Transportation      Habitation      Agriculture      Nature area

4) Amount of water added in when you flooded your model:  
\_\_\_\_ mL

5) What needs were met after flooding your model?

Transportation      Habitation      Agriculture      Nature area

6) What areas were destroyed?

Transportation      Habitation      Agriculture      Nature area

7) Additional thoughts/ideas/explanations:

(Use only if completing the elaborate portion of the lesson.)

**After erosion event:**

1) Amounts of water added in first activity:

- a. Filled system: \_\_\_\_\_ mL
- b. Flooded system: \_\_\_\_\_ mL

2) What needs were met when you added the amount of water that filled the original model?

Transportation   Habitation   Agriculture   Nature area

3) What areas were destroyed?

Transportation   Habitation   Agriculture   Nature area

4) What needs were met when you added the amount of water that flooded the first model?

Transportation   Habitation   Agriculture   Nature area

5) What areas were destroyed?

Transportation   Habitation   Agriculture   Nature area

6) How did eroding your landscape affect the way your model met the human needs?

## Power of Water Assessments (with Elaborate)

### Pre-Activity Probe

- 1) List one way that humans affect the environment.
- 2) List one way the environment affects humans.
- 3) List some ways that the environment changes over time.

### Summative Assessment Probe

- 4) Which human need did you choose to protect?
- 5) What strategies did you use to protect the human need?
- 6) List one way that humans affect the environment.
- 7) List one way the environment affects humans.

8) List some ways that the environment changes over time.

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#### Summative Assessment Probe

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