

Lesson 11: Forces of Nature
Student Activity Sheet

Name:
Date:

Directions: After you complete the River Formations Lab, answer each of the questions below carefully using your observations from the lab activity. Include specific information and descriptions when answering each question.

1. By increasing gravity and slope (raising the tub), how was the velocity of the river affected?
2. How did changing the drip rate change the shape of the river?
3. When the tubs were flat, how would you describe the flow of the water?
4. Explain why it would be difficult to move a boat in a river with little velocity.
5. What kind of features (waterfalls, caves, lakes, creeks, landslides, rapids, etc.) did your river show you?
6. How do you think slope, gravity, and the river's velocity could affect the ability to travel on a river? Give specific examples.