

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Period: \_\_\_\_\_

## Movie Sheets

The Physical Setting: Earth Science

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### Movie Sheet: Grand Canyon

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**Directions:** As you watch How Earth Was Made: Grand Canyon and answer the following questions.

1. How much water can flow down the 1,450 mile long Colorado River every hour?
  2. What was John Wesley Powell known for?
  3. What is significant about the 1.7 billion year old Vishnu Schist?
  4. What did the calcium ratio in the garnets found in the Vishnu Schist tell about the depth of formation?
  5. Approximately how many times has the area around the Grand Canyon been under an ocean?
  6. Why are the rock layers in the Grand Canyon different, but yet most of them are a red color?
  7. When did the Colorado River start to form the Grand Canyon?
  8. Why is water alone incapable of carving the Grand Canyon?
  9. How does the steepness of the Grand Canyon help to carve out the deep canyon?
  10. What causes the Grand Canyon to be so wide (18 miles across at its widest point)?
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