

Name: \_\_\_\_\_ Hr. \_\_\_\_\_ Date: \_\_\_\_\_

## How the Earth Was Made: The Grand Canyon

While watching the movie video, answer the follow questions.

#	Question	Answer
1	How far away can the Grand Canyon be seen?	
2	About how old are the black rocks at the bottom of the canyon?	
3	Does higher calcium in rocks mean more or less rock was above the garnet while being formed?	
4	About how many times has the canyon region been under water?	
5	Why are the rocks of the canyon mostly red?	
6	What river was originally thought to be the one that carved the canyon?	
7	When do they think the Colorado River arrived in Arizona to begin carving the canyon?	
8	What did geologist John Douglass believe was the reason the canyon was cut?	
9	What was the proof Douglass found that proved the age of the lake bed to him?	
10	Why can't the Mississippi River carve like the Colorado River?	
11	Why is the Grand Canyon so wide?	
12	What did geologists find at Toroweap Point?	
13	What role did the nearly 100 volcanoes play in the river's history?	
14	Are the volcanoes extinct?	
15	Is there any end in sight for the formation of the Grand Canyon?	

Name: KEY Hr. \_\_\_\_\_ Date: \_\_\_\_\_

## How the Earth Was Made: The Grand Canyon

While watching the movie video, answer the follow questions.

#	Question	Answer
1	How far away can the Grand Canyon be seen?	from space
2	About how old are the black rocks at the bottom of the canyon?	1.7 by
3	Does higher calcium in rocks mean more or less rock was above the garnet while being formed?	more
4	About how many times has the canyon region been under water?	8
5	Why are the rocks of the canyon mostly red?	rust
6	What river was originally thought to be the one that carved the canyon?	Hindu River
7	When do they think the Colorado River arrived in Arizona to begin carving the canyon?	5.5 my
8	What did geologist John Douglass believe was the reason the canyon was cut?	giant lake overflow
9	What was the proof Douglass found that proved the age of the lake bed to him?	6 my old mollusk fossils – found only in freshwater lakes
10	Why can't the Mississippi River carve like the Colorado River?	no steep drop in elevation
11	Why is the Grand Canyon so wide?	rainfall from the top
12	What did geologists find at Toroweap Point?	volcano remnants
13	What role did the nearly 100 volcanoes play in the river's history?	created lava dams
14	Are the volcanoes extinct?	maybe not, evidence of a 1000 year old eruption
15	Is there any end in sight for the formation of the Grand Canyon?	mp