

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

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

# Movie Sheets

Earth Science

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## Movie Sheet: Birth of the Earth

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

1. Geologists discovered \_\_\_\_\_ are older than any rocks on Earth.
2. On the International Space Station \_\_\_\_\_ was poured into a plastic bag and particles began to stick to each other by static electric charges.
3. The gravitational pull of the Earth dragged the denser \_\_\_\_\_ and \_\_\_\_\_ into the core separating the rest into layers.
4. In 1897, physicist Earnest Rutherford figured out measuring \_\_\_\_\_ decay could accurately date the age of rocks.
5. In 1953, Patterson came to Meteor Crater in Arizona and examined one of pieces of the meteorite and dated the samples to be \_\_\_\_\_ billion years old.
6. In 1974, Bill Hartmann suggested another \_\_\_\_\_ about the size of Mars crashed into Earth.
7. On the northeast shores of Hudson Bay, Canada, Jonathan O'Neill studied amphibolites which were radiometrically dated to be \_\_\_\_\_ billion years ago.
8. A meteorite, which fell in 1998, contained grains of table salt with droplets of \_\_\_\_\_ in it.
9. The age of the salt is \_\_\_\_\_ years old.
10. Geologists analyzed samples of the meteorite in Allende, Mexico contained \_\_\_\_\_.
11. 3.5 billion years ago there we no \_\_\_\_\_.
12. \_\_\_\_\_ are a clue to how the atmosphere filled with oxygen.