

# Meteorites Assignment – Student Edition

Use the word/s at the right to complete the statements below.

1. \_\_\_\_\_ are chunks of space rocks that differ in size, ranging from dust grains to small asteroids.
2. A space rock that crashes through the Earth's atmosphere is called \_\_\_\_\_.
3. \_\_\_\_\_ are space rocks that can survive and fall onto the Earth's surface.
4. There can be several meteors in any given hour, and there are cases when these events dramatically increase – and this is called a \_\_\_\_\_.
5. The types of meteorites which are made up of minerals that have silicates are called \_\_\_\_\_.
6. Silicate is a material composed of \_\_\_\_\_ and oxygen, as well as some metal – nickel and iron.
7. Named after the hardened droplets of lava called \_\_\_\_\_ these chondrites are formed from small particles and dust coming together to form asteroids in the early solar system
8. Ordinary chondrites are classified into three main groups, indicating the quantity of \_\_\_\_\_: H chondrite, L chondrite, and LL chondrite
9. As the name suggests, \_\_\_\_\_ contain carbon in form of organic compounds like amino acids seen on the surface of water.
10. On the other hand, \_\_\_\_\_ don't contain lava droplets called chondrules that are present in Chondrites.

Meteor Shower  
Meteor  
Meteorites  
Meteoroids  
Stony Meteorites  
Carbonaceous chondrites  
Achondrites  
Iron  
Silicon  
Chondrules

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**Modified TRUE or FALSE. Write TRUE if the statement is TRUE. Change the highlighted word with the correct one if otherwise.**

1. Before these space rocks became meteorites, they were **meteors** first.

\_\_\_\_\_

2. Stony meteorites are types of meteorites made up of minerals that have **silicates**.

\_\_\_\_\_

3. Weighing about 60 tons, it was impossible for this meteorite to be moved to another place considering its weight. This largest meteorite known to mankind is **Willamette Meteorite**.

\_\_\_\_\_

4. Achondrites **contain** lava droplets called chondrules that are present in Chondrites.

\_\_\_\_\_

5. **Lunar meteorites** are achondrites from the Moon that crashed on Earth.

\_\_\_\_\_

6. H- chondrite is a group of chondrites that has a **low** amount of iron.

\_\_\_\_\_

7. **Hoba Meteorite** is an iron-nickel meteorite known to be the largest in the United States (weighing about 15.5 tons), and sixth in the world, was discovered near Oregon.

\_\_\_\_\_

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

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8. Meteorites **help** scientists understand the planets in our solar system including the processes that take place deep inside

\_\_\_\_\_

9. Named after the hardened droplets of lava called chondrules, **achondrites** are formed from small particles and dust coming together to form asteroids in the early solar system.

\_\_\_\_\_

10. **Canyon Diablo** meteorite contains fragments of asteroid that created Meteor Crater.

\_\_\_\_\_