

Unit 5: Earth's Materials and Systems

Lesson Plan

Disciplinary Core Areas	Earth's Materials and Systems
NGSS:	<i>MS-ESS2-2 Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales.</i> <i>MS-ESS2-3 Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of the past plate motions.</i>
Lesson Title	Meteorites
Lesson Number	5-9
Learning objectives:	<ul style="list-style-type: none">• Define meteor, meteoroid, and meteorite.• Describe the composition of a meteorite.• Identify the different classifications of meteorites.• Enumerate some famous meteorites.• Explain the significance of meteorites in studying Earth and other planets.• Discuss the hazard of a meteorite impact.
"I can" statement:	I can define meteorites and classify each one according to its type and composition.
Prior Knowledge: Asteroids, Comets, and Meteors	
Vocabulary: Meteor, Meteoroid, Meteorite, Meteor Shower, Stony Meteorites, Iron Meteorites, Stony-Iron Meteorites, Chondrites, Achondrites, Ordinary Chondrite, Carbonaceous Chondrite, Primitive Achondrite, Lunar Achondrite, Martian Achondrite, Silicate	
Summary of Activities: <ol style="list-style-type: none">1. Distribute and complete bell ringer activity.2. Discuss guided notes and slideshows with students.3. Do laboratory activity with students.4. Exit quiz	
Additional Resources: <ul style="list-style-type: none">• Online Activities	
Homework: <ul style="list-style-type: none">• Assignment	
Assessment: <ul style="list-style-type: none">• Bell work• Assignment• Exit quiz• End of unit review	