

Unit 5: Energy

Lesson Plan

Disciplinary Core Idea:	Energy
NGSS:	<ul style="list-style-type: none">• MS-PS3-5 Construct, use, and present arguments to support the claim that when the kinetic energy of an object changes, energy is transferred to or from the object.
Lesson Title	Energy Conservation
Lesson Number	5-3
Learning objectives:	<ul style="list-style-type: none">• Distinguish between energy transfer and energy transformation.• Identify energy transformations and give examples.• State the law of energy conservation and apply it to different scenarios.• Calculate the energy efficiency of an appliance or device.
“I can” statement:	<ul style="list-style-type: none">• I can define and calculate density, relating it to an objects mass and volume.
Prior Knowledge: Types of Energy, Active and Potential energy, Measuring Energy	
Vocabulary: Energy chain, Energy efficiency, Energy input, Energy output, Energy transfer, Energy transformation, Law of Conservation of Energy, Useful energy, Waste energy	
Summary of Activities: <ol style="list-style-type: none">1. Distribute and complete bell ringer activity.2. Discuss guided notes and slideshow, with students.3. Vocabulary doodle notes worksheet4. Exit quiz	
Additional Resources: <ul style="list-style-type: none">• See online activities• Lab activity	
Homework: Assignment	
Assessment: <ul style="list-style-type: none">• Bell work• Assignment• Exit quiz• Lab activity• End of unit review	