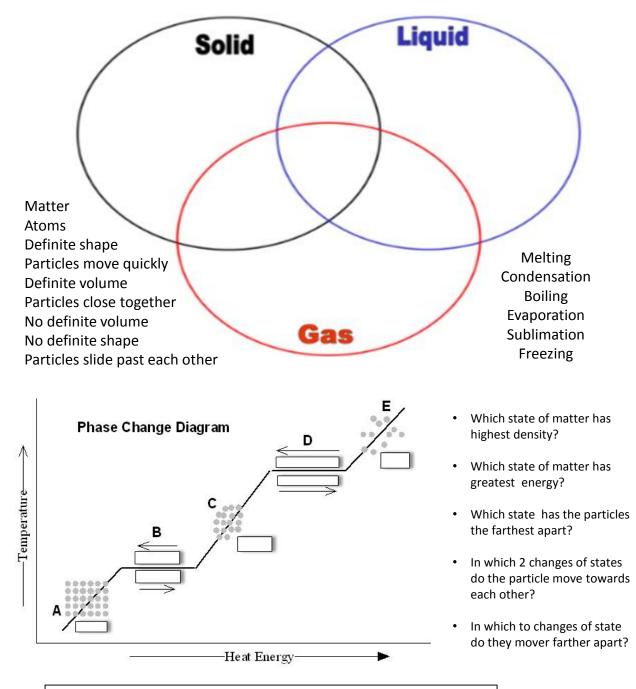
Characteristics of Science Reference Sheet

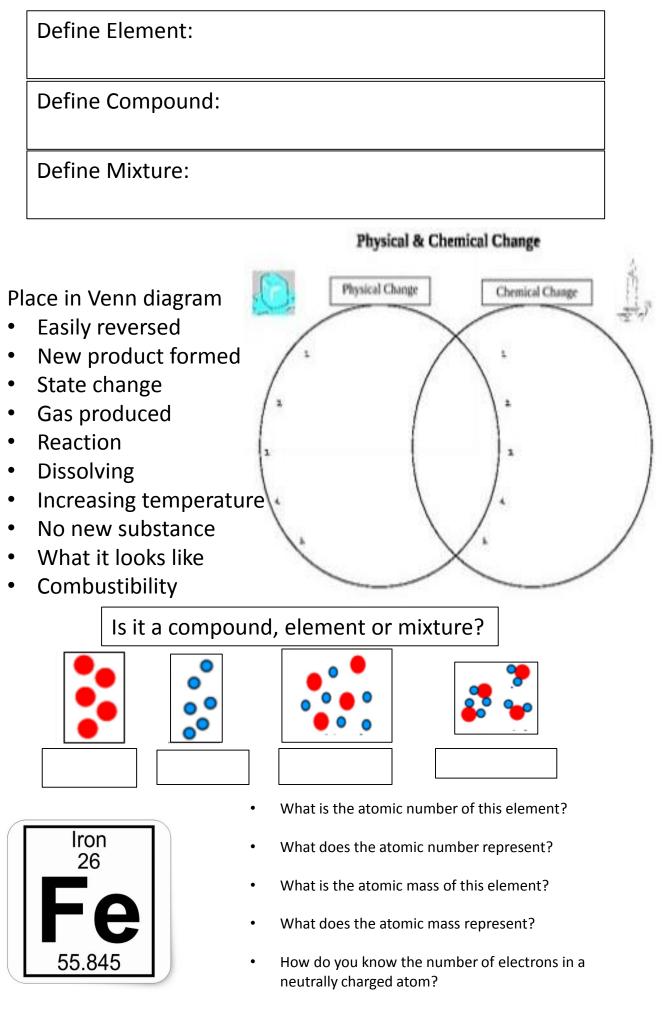
List the 6 Steps of the <u>Scientific Method</u> below:	Variables in a controlled experiment Independent-
1.	Dependent-
2.	Control-
3.	
4.	
5.	Skills of a Scientist
6.	Mean-
	Median-
Measurement	
Basic Unit-	<u>Mode-</u>
Tool-	
<u>Volume</u> Basic Unit-	Range-
Tool-	
Length Basic Unit-	Metric Ladder with abbreviations and numerical values
Tool-	Base Unit
Types of Graphs	
Line	
Bar	
Circle	

S8P1 Reference Sheet



Fill in with electron, proton, and neutron:

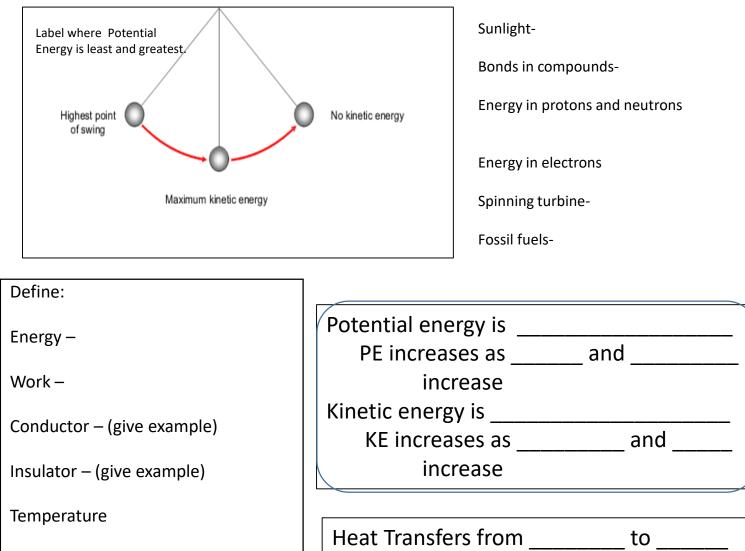
Subatomic particle	Charge	Mass	location



How do you calculate the number of neutrons?

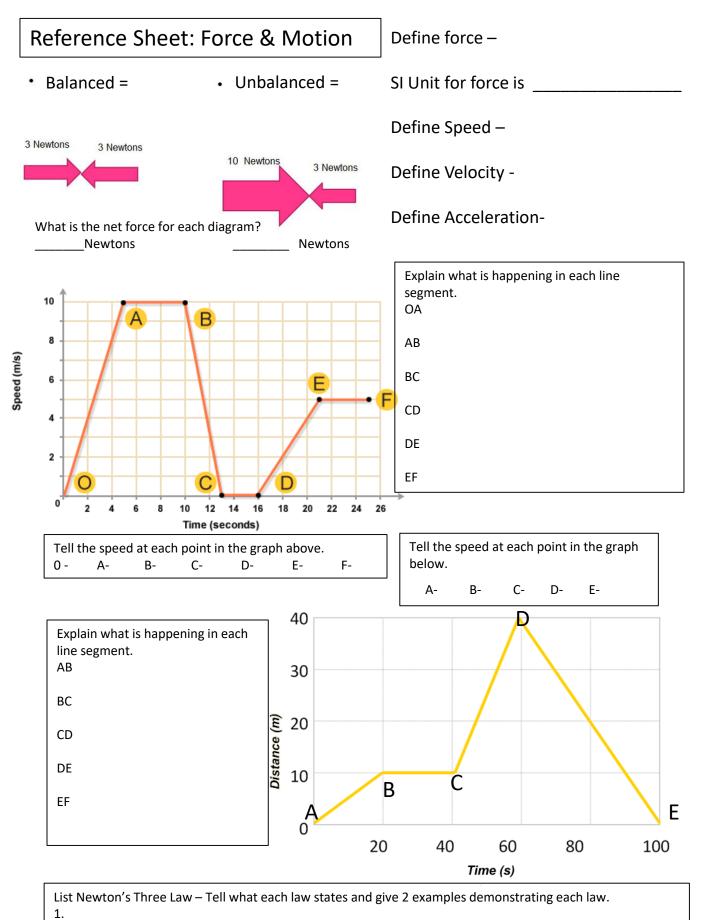
S8P2 Reference Sheet

Label what type of energy Is present with each example:



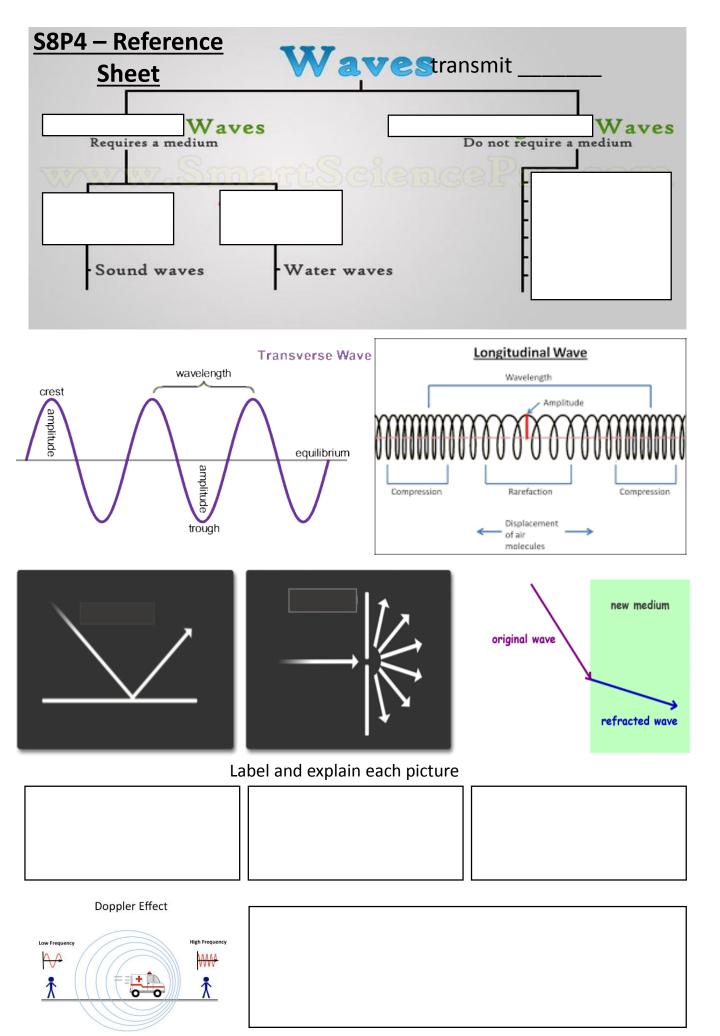
Please label the drawing as to what type of heat transfer they represent Figure 2--Conduction, Convection, and Radiation Energy is transferred by direct contact. Therefore the mass motion of molecules. Therefore the mass motion of molecul

Write the Law of Conservation of Energy and the Law of the Conservations of Matter



2.

3.



List EM waves from Longest to shortest Wavelength List EM waves from lowest to highest Frequency

Sound – travels as what kind of wave?

Sound travels faster through _____

Pitch is controlled by _____

Volume is controlled by _____

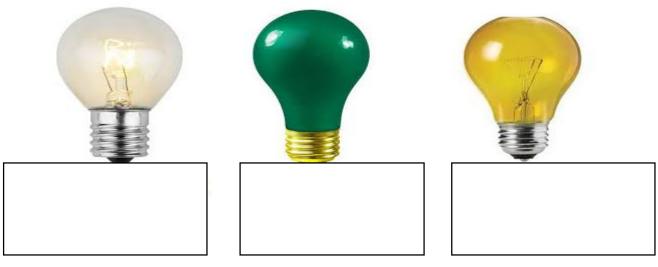
Light travels faster through _____

We see light because it is _____

Explain why we see the following colors

- Orange
- White
- Black

Label and explain transparent, opaque, and translucent.



S8P5 Reference Sheet

Electricity & Magnetism

Draw the magnetic field lines around t magnet.	the What is a magnet?	
	What cause magnetism? Like poles will Unlike (Opposite) poles will Name three ferromagnetic materials	
What happens when a magnet breaks		
What is electricity?	Draw and label an electromagnet.	
What are the three ways charges can from one object to another? 1.		
2. 3.	How can you make it stronger? 1. 2. 3.	
How does something become positive charged?	ely What device uses an electromagnet to convert electrical energy into mechanical energy?	
How does something become negative charged?	vely Mechanical energy into electrical?	
Define and give three examples: Conductor-	Compare and contrast electricity, magnetism and gravity. Use the back if you need more room. Similarities-	
Insulator-	Differences-	