Name: _____ Date: _____ Block: _____

Physical Science Physics Review

Conduction, Convection, and Radiation Sorting

Listed in the Item Bank below are some key terms and expressions associated with conduction, convection, and radiation. Write each of the items below in the appropriate column.

An oven that cooks by cycling warm air through the bottom and out the top	Cooking popcorn using a microwave
Heat from a fire warming your hands	Putting an ice pack on an injury
Warm water rising to the surface of the ocean and cooler water sinking	Burning yourself by touching boiling water
Grabbing a warm coffee mug to warm your hands	Heat from the sun hitting a solar panel
Warm air rising off of the pavement	The handle of a pot becoming too hot to grab as it cooks on the stove

Conduction	Convection	Radiation

Name: _____ Date: _____ Block: _____

Newton's Laws of Motion Sorting

Listed in the Item Bank below are some key terms and expressions associated with Newton's Laws of Motion. Write each of the items below in the appropriate column.

A ball is rolling straight across the floor until someone kicks it.	A car runs into a fence and the fence dents the car.	Matthew lets go of a recently blown up balloon, and it flies across the room as the air escapes.
When riding the bumper cars at a fair, you bump into your friend and your car bounces backwards.	Your car breaks down. As your friends help you push it, it begins to move and speed up.	A bowling ball and a baseball both roll across your foot at the same speed. The bowling ball hurts much more.
Karen drops a marble on the ground, and it rolls across the floor in a straight line.	Pushing your baby brother on the swing makes him go higher.	You place a pencil on your desk, and it stays there.

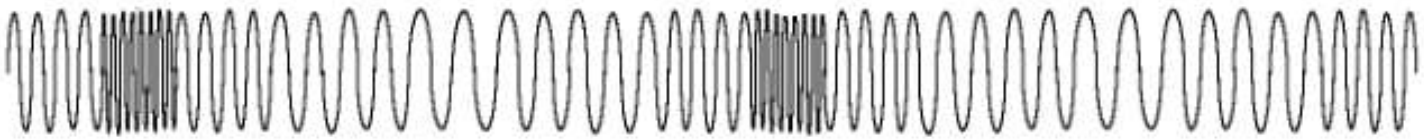
Newton's First Law	Newton's Second Law	Newton's Third Law

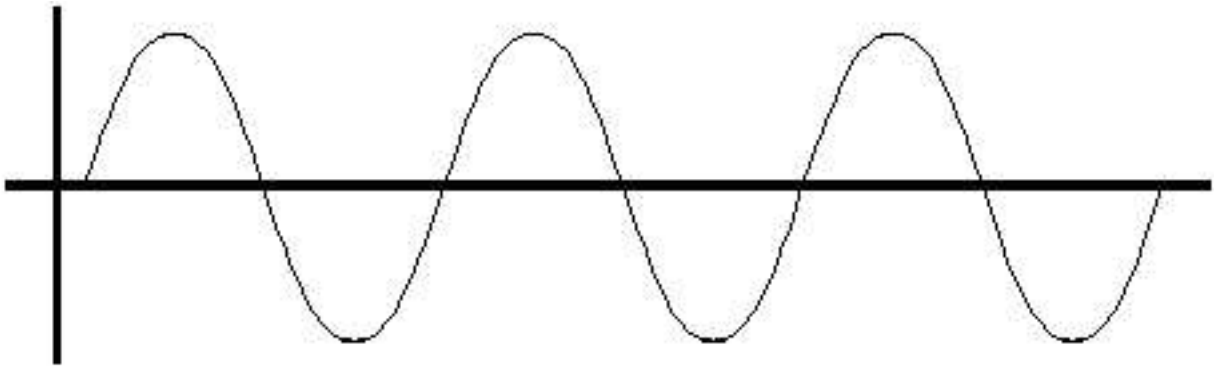
Name: _____ Date: _____ Block: _____

Wave Labeling

Label the waves below with the terms in the word bank.

amplitude	wavelength	rarefaction
crest	compression	trough
rest position	transverse wave	longitudinal wave



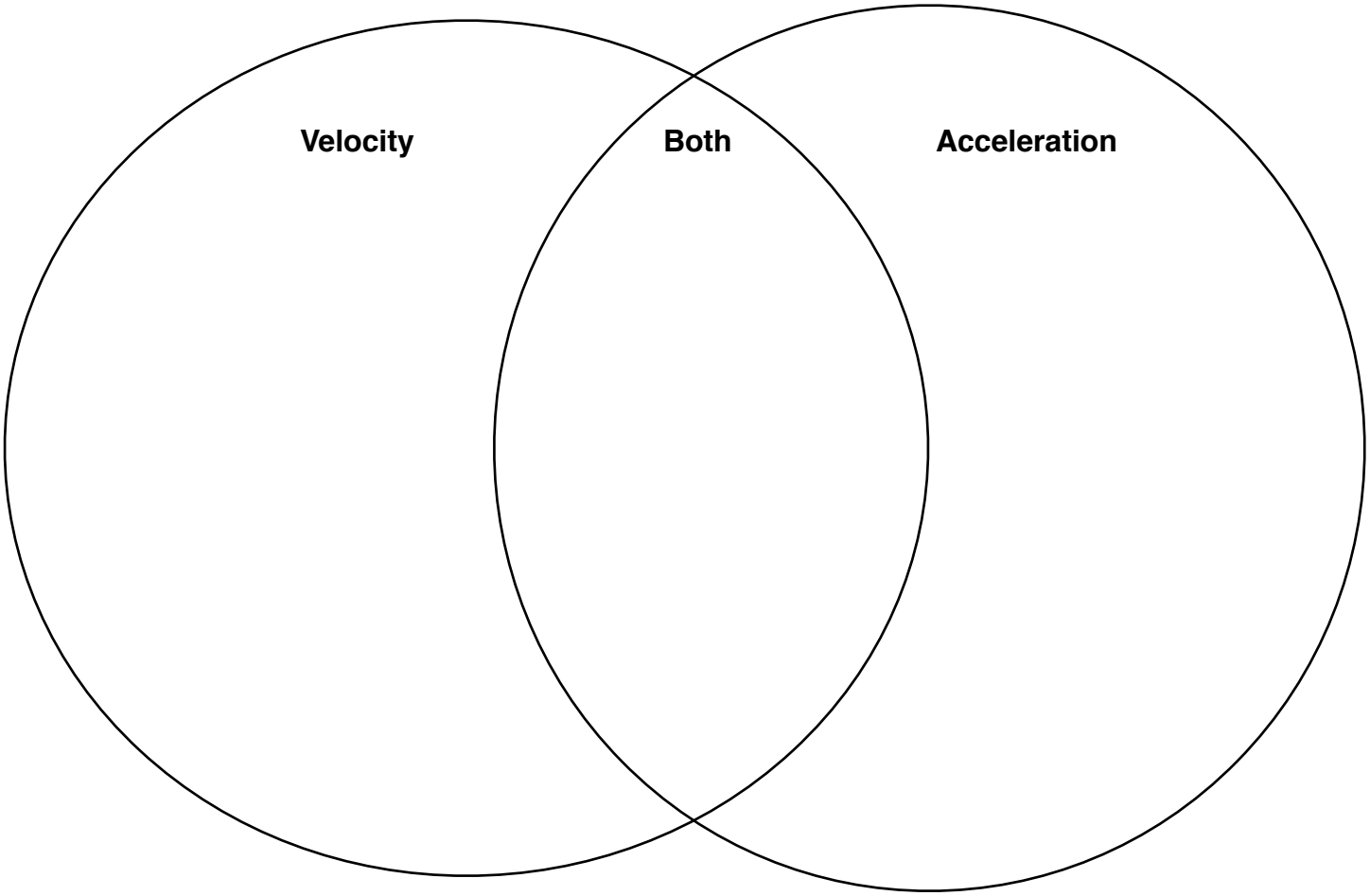


Name: _____ Date: _____ Block: _____

Velocity vs. Acceleration

Listed in the Item Bank below are some key terms and expressions associated with the categories seen in the Venn Diagram. Write each of the items below in the appropriate place in the Venn Diagram.

A rate of change	Can be positive or negative	change in displacement over change in time
Change in velocity over change in time	units m/s	units m/s^2
includes speed and direction		



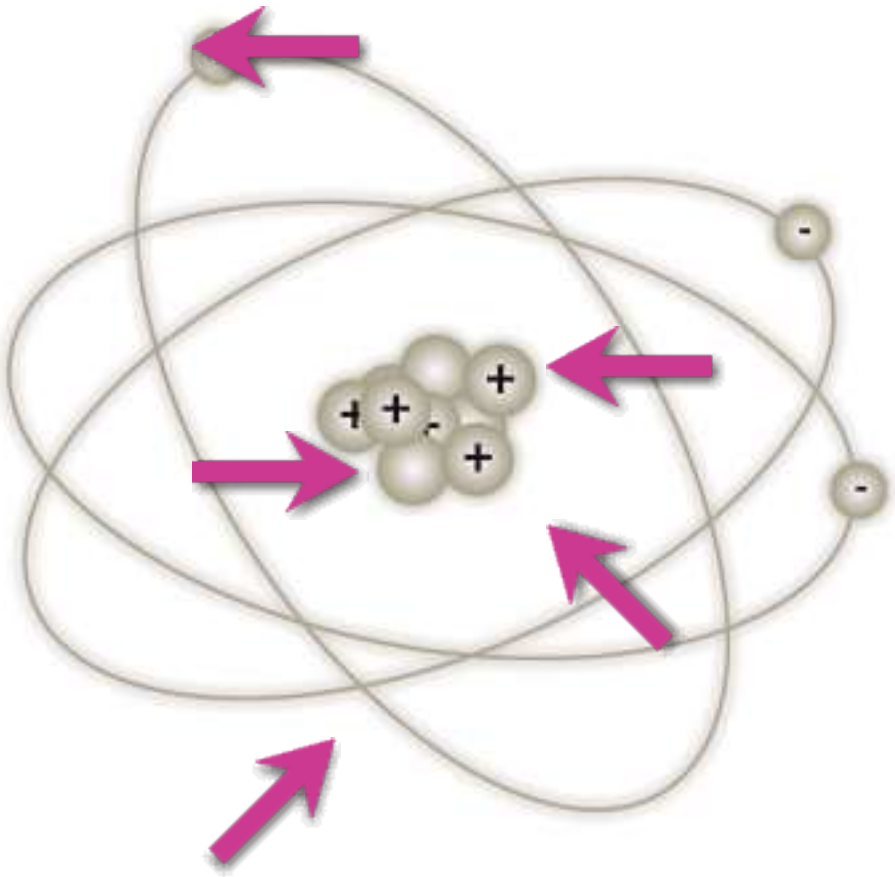
Name: _____ Date: _____ Block: _____

Physical Science Chemistry Review

Label an Atom

Label the atom below with the terms in the word bank.

electron	electron cloud	neutron	nucleus	proton

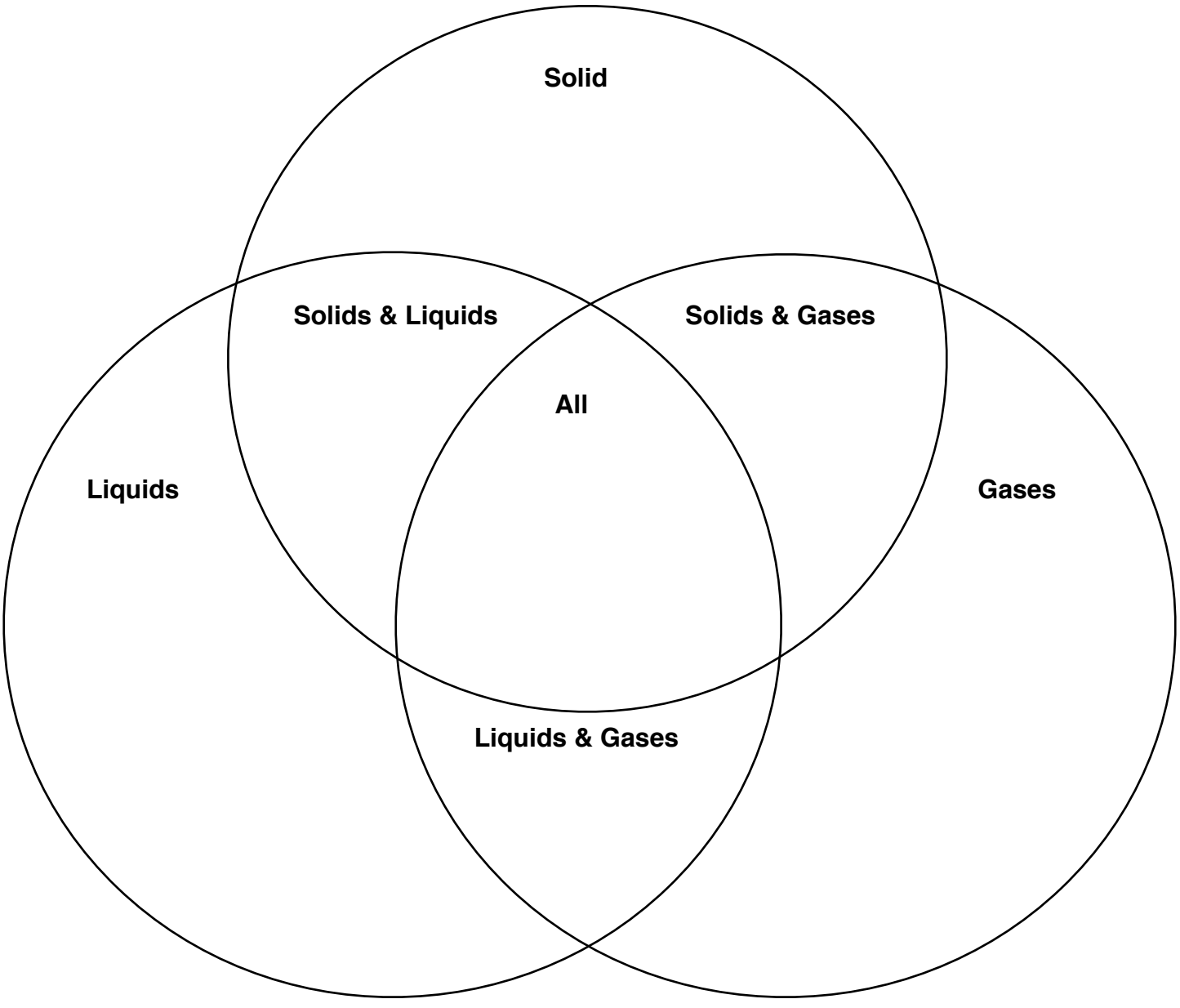


Name: _____ Date: _____ Block: _____

Solid, Liquid, Gas Venn Diagram

Listed in the Item Bank below are some key terms and expressions associated with the categories seen in the Venn Diagram. Write each of the items below in the appropriate place in the Venn Diagram.

constant, rapid, random particle motion	definite shape
definite volume	easily compressed
fluid motion	made of atoms and compounds
mostly incompressible	no definite shape
no definite volume	very little individual particle motion

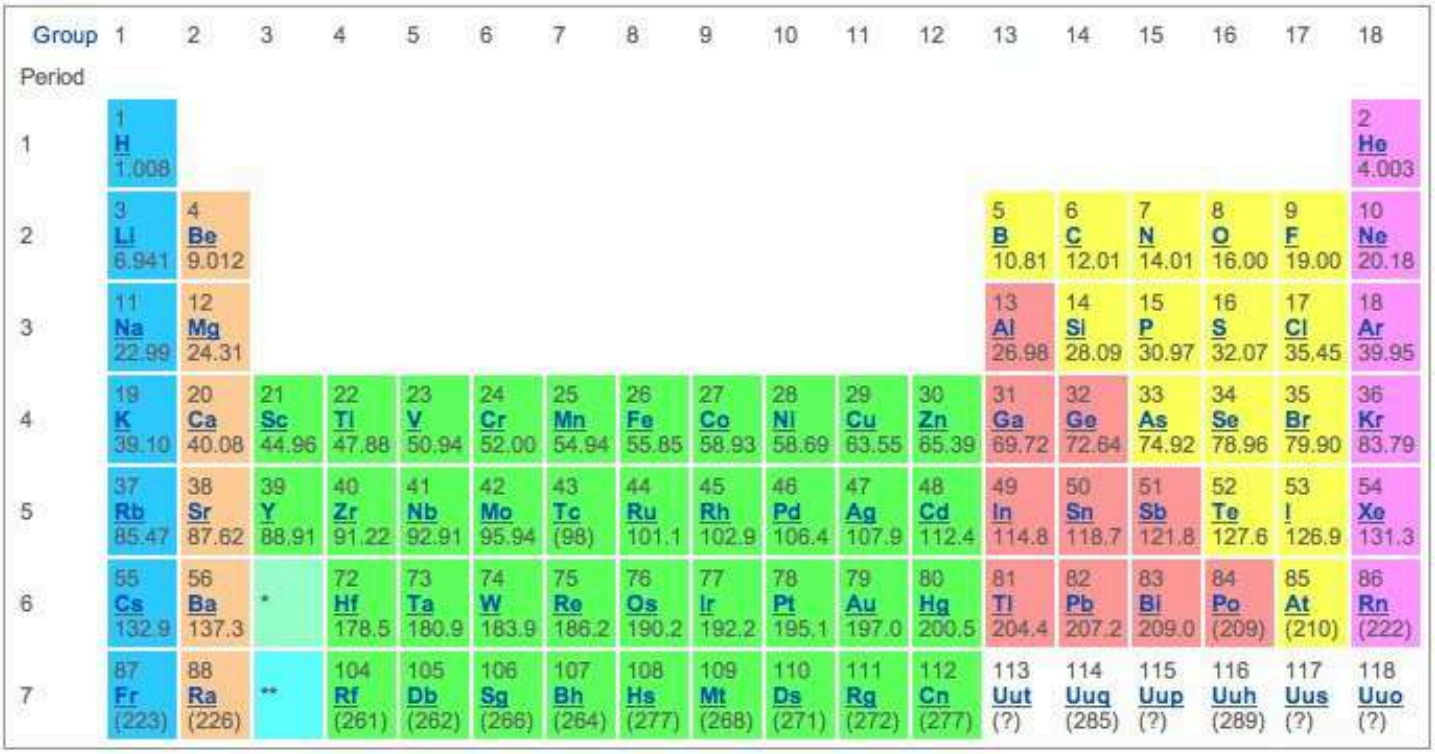


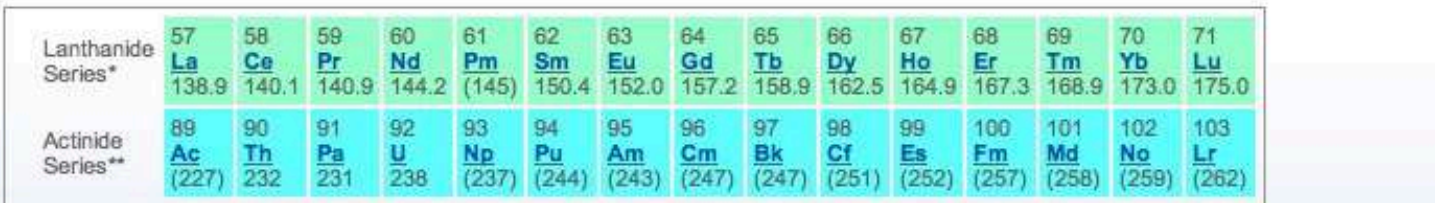
Name: _____ Date: _____ Block: _____

Label the Periodic Table

Label the periodic table below with the terms in the word bank.

alkali metals	alkaline earth metals	metalloid
metals	nonmetals	transition metals
inner transition metals	halogens	noble gases
stairstep	elements that form cations	elements that form anions



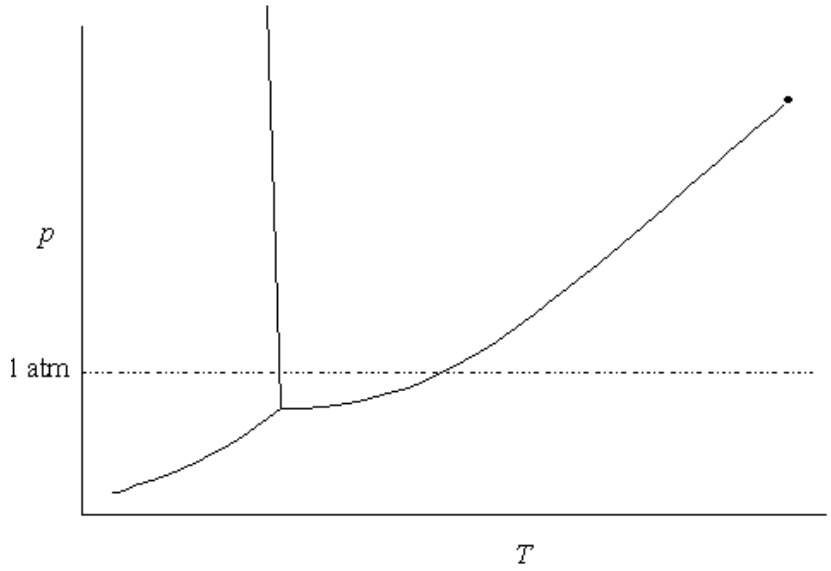


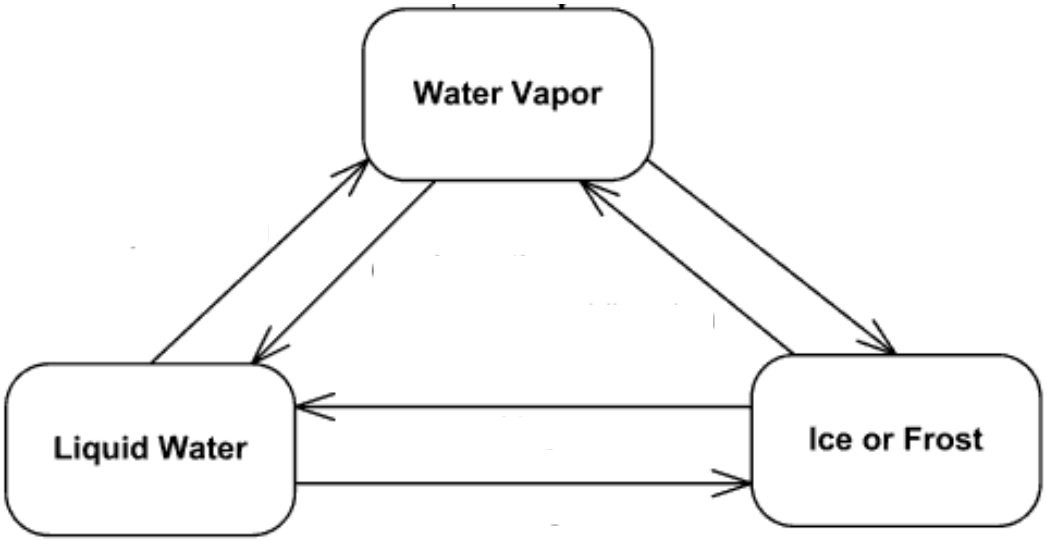
Name: _____ Date: _____ Block: _____

Water Phase Diagrams

Listed in the Item Bank are some important labels for the sections of the images below. Write each of the items below in the appropriate place on the diagrams.

boiling point	sublimation	liquid
condensation	triple point	gas
melting point	evaporation	solid
melting	freezing	critical point





Name: _____ Date: _____ Block: _____

Units of Measurement

Write the items in the word bank next to their correct match.

Joule	Kilogram	Meter	Newton	Second	Watts

1. The SI unit of mass. _____

2. The SI unit of length. _____

3. The SI unit of energy or work. _____

4. The SI unit of force. _____

5. The SI unit of time. _____

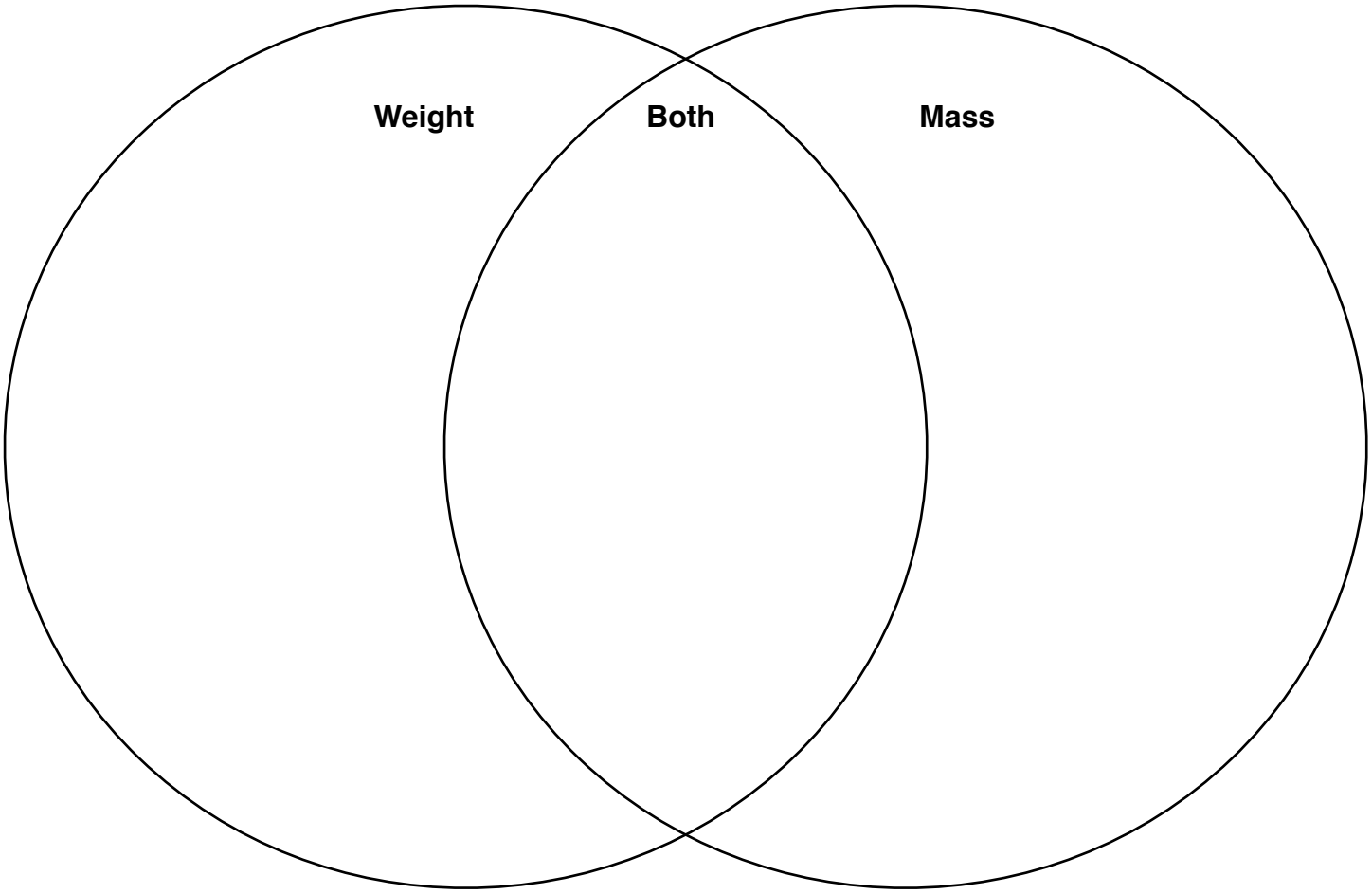
6. The SI unit of power. _____

Name: _____ Date: _____ Block: _____

Weight vs. Mass

Listed in the Item Bank below are some key terms and expressions associated with the categories seen in the Venn Diagram. Write each of the items below in the appropriate place in the Venn Diagram.

1/6 on the moon	amount of matter	balance	measured in Newtons
measured in grams	property of matter	same on the moon	gravitational force



Name: _____ Date: _____ Block: _____

Classify Metals, Nonmetals, and Metalloids

Listed in the Item Bank below are some key terms and expressions associated with Newton's Laws of Motion. Write each of the items below in the appropriate column.

dull and brittle	good conductor	good insulator
high density	high luster	left side of periodic table
ductile	noble gas	oxygen, nitrogen, neon
right side of periodic table	semiconductor	silicon, germanium, arsenic
sodium, magnesium, iron	malleable	form positive ions

Metals	Metalloids	Nonmetals

Name: Key Date: _____ Block: _____

Physical Science Physics Review

Conduction, Convection, and Radiation Sorting

Listed in the Item Bank below are some key terms and expressions associated with conduction, convection, and radiation. Write each of the items below in the appropriate column.

An oven that cooks by cycling warm air through the bottom and out the top (1)	Cooking popcorn using a microwave (6)
Heat from a fire warming your hands (2)	Putting an ice pack on an injury (7)
Warm water rising to the surface of the ocean and cooler water sinking (3)	Burning yourself by touching boiling water (8)
Grabbing a warm coffee mug to warm your hands (4)	Heat from the sun hitting a solar panel (9)
Warm air rising off of the pavement (5)	The handle of a pot becoming too hot to grab as it cooks on the stove (10)

Conduction	Convection	Radiation
4	1	2
7	3	5
8	6	9
10		

Name: _____ Date: _____ Block: _____

Units of Measurement

Write the items in the word bank next to their correct match.

Joule	Kilogram	Meter	Newton	Second	Watts

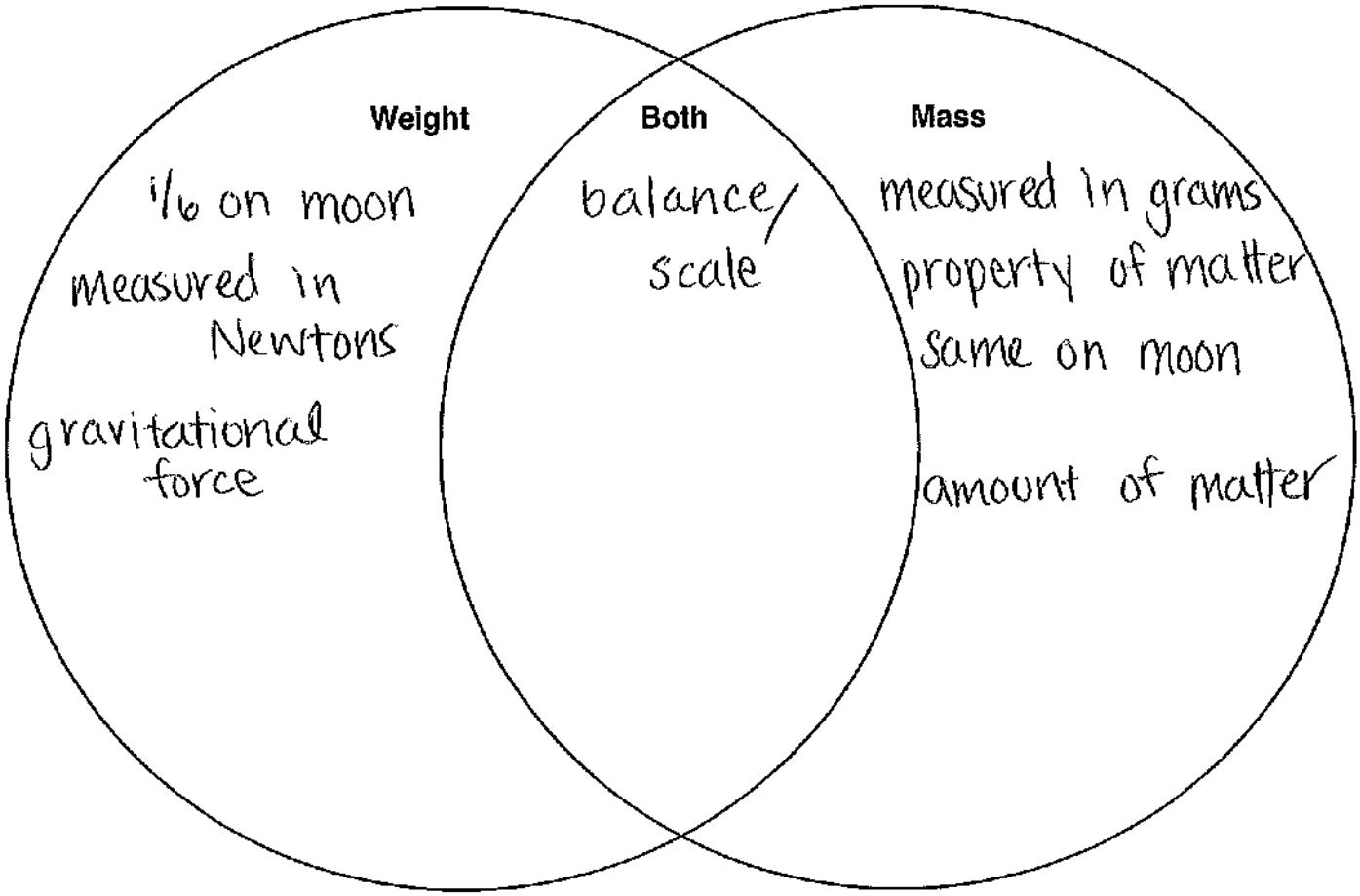
1. The SI unit of mass. Kilogram
2. The SI unit of length. meter
3. The SI unit of energy or work. Joule
4. The SI unit of force. newton
5. The SI unit of time. Second
6. The SI unit of power. Watts

Name: _____ Date: _____ Block: _____

Weight vs. Mass

Listed in the Item Bank below are some key terms and expressions associated with the categories seen in the Venn Diagram. Write each of the items below in the appropriate place in the Venn Diagram.

1/6 on the moon	amount of matter	balance / scale ☆	measured in Newtons
measured in grams	property of matter	same on the moon	gravitational force



* Kids may confuse balance + scale. Scale gives weight. Balance gives mass

Name: _____ Date: _____ Block: _____

Newton's Laws of Motion Sorting

Listed in the Item Bank below are some key terms and expressions associated with Newton's Laws of Motion. Write each of the items below in the appropriate column.

A ball is rolling straight across the floor until someone kicks it. (1)	A car runs into a fence and the fence dents the car. (4)	Matthew lets go of a recently blown up balloon, and it flies across the room as the air escapes. (7)
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Karen drops a marble on the ground, and it rolls across the floor in a straight line. (3)	Pushing your baby brother on the swing makes him go higher. (6)	You place a pencil on your desk, and it stays there. (9)

Newton's First Law	Newton's Second Law	Newton's Third Law
1	5	2
3	6	7
9	8	4

Name: _____ Date: _____ Block: _____

Wave Labeling

Label the waves below with the terms in the word bank.

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crest	compression	trough
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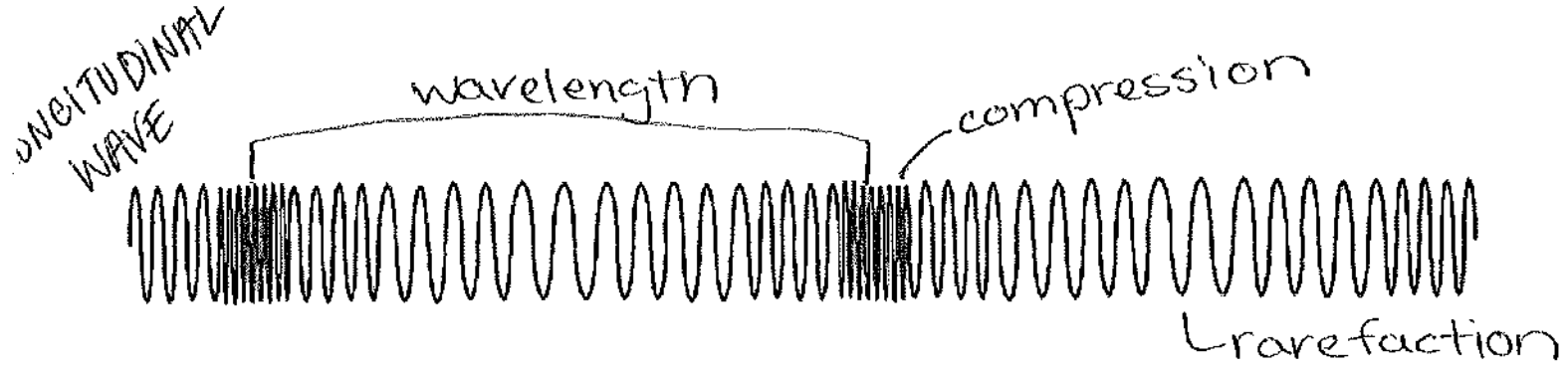

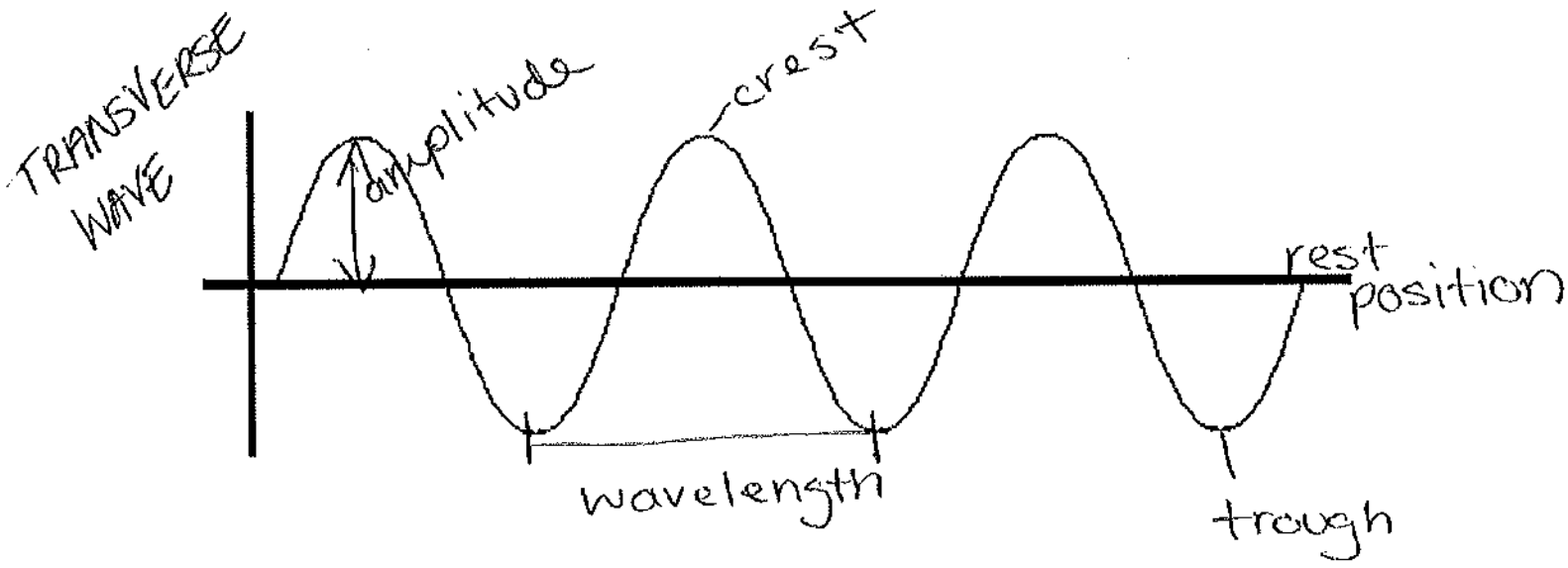

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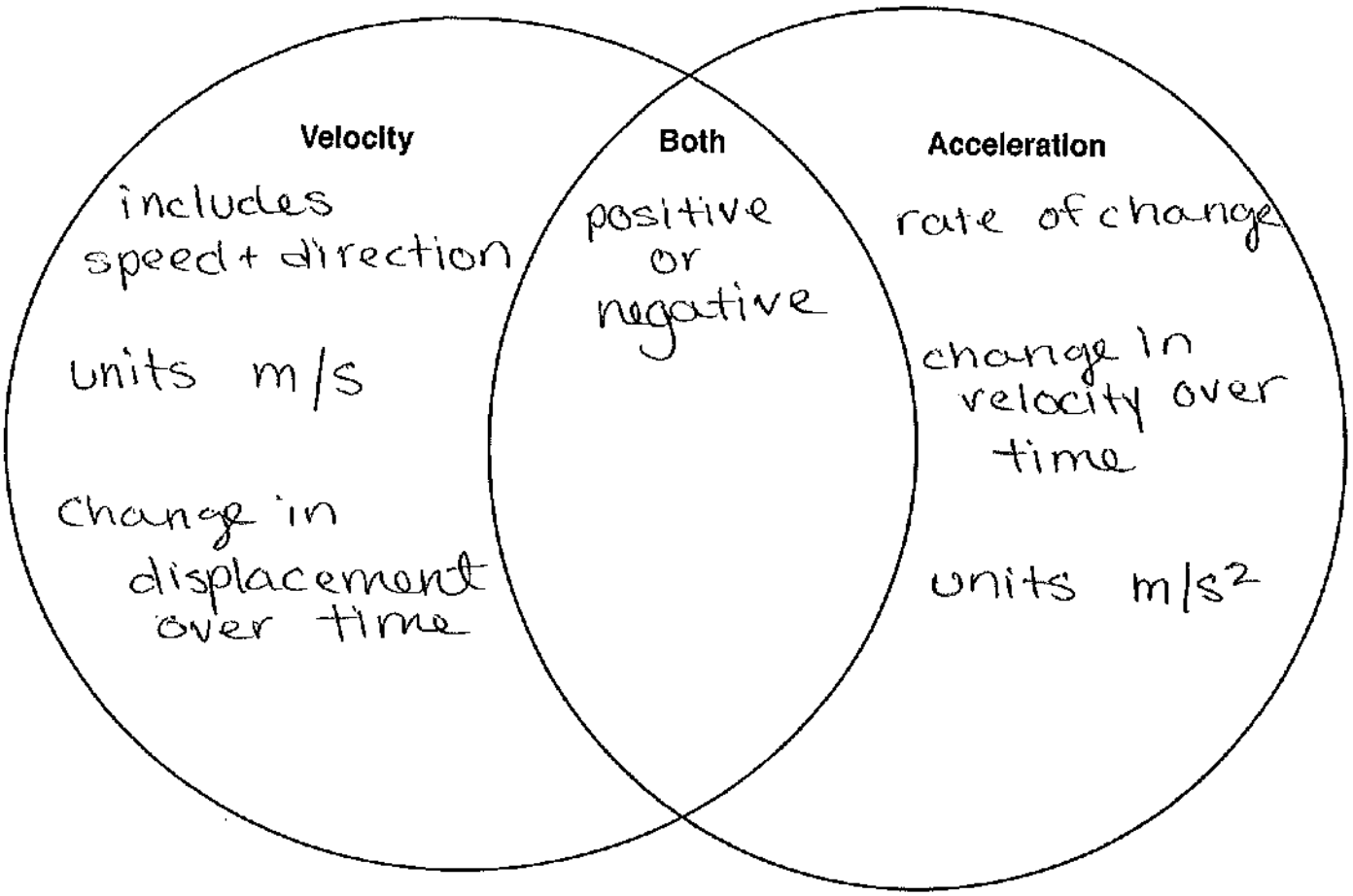

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Physical Science Chemistry Review

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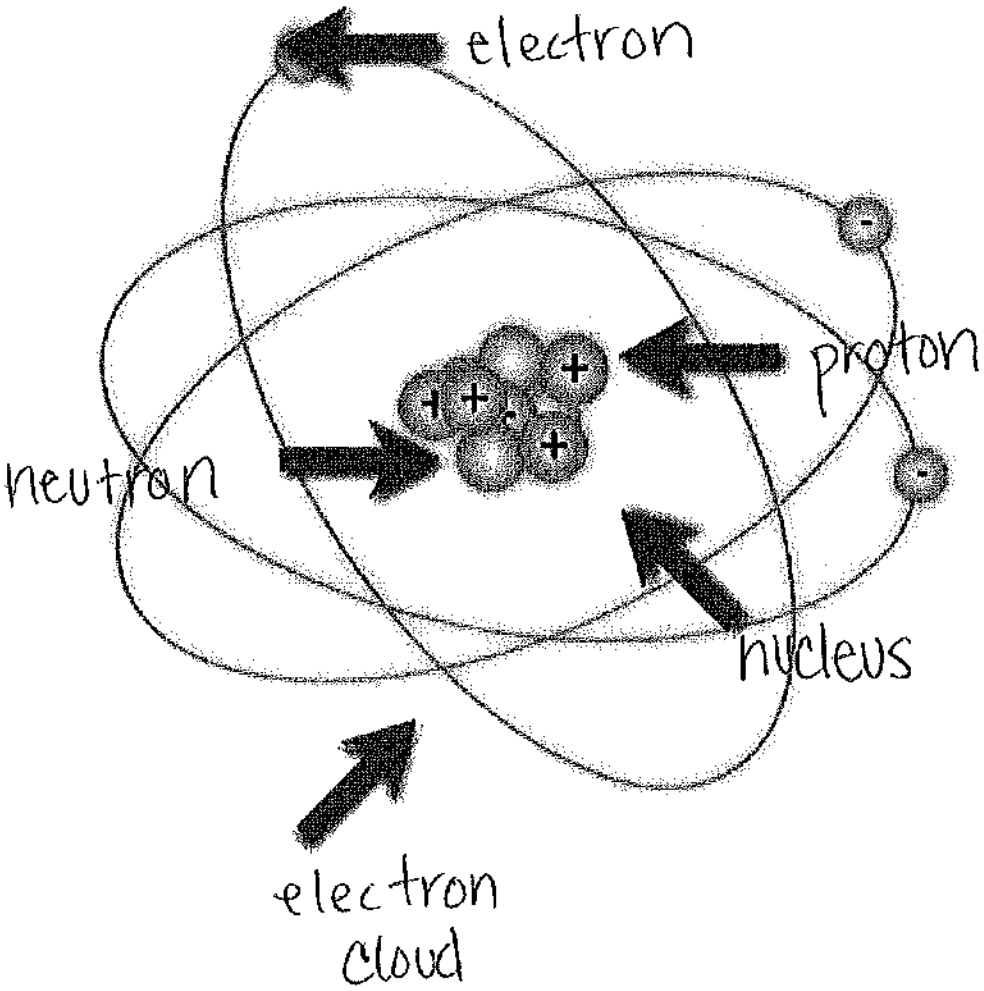

Name: _____ Date: _____ Block: _____

Solid, Liquid, Gas Venn Diagram

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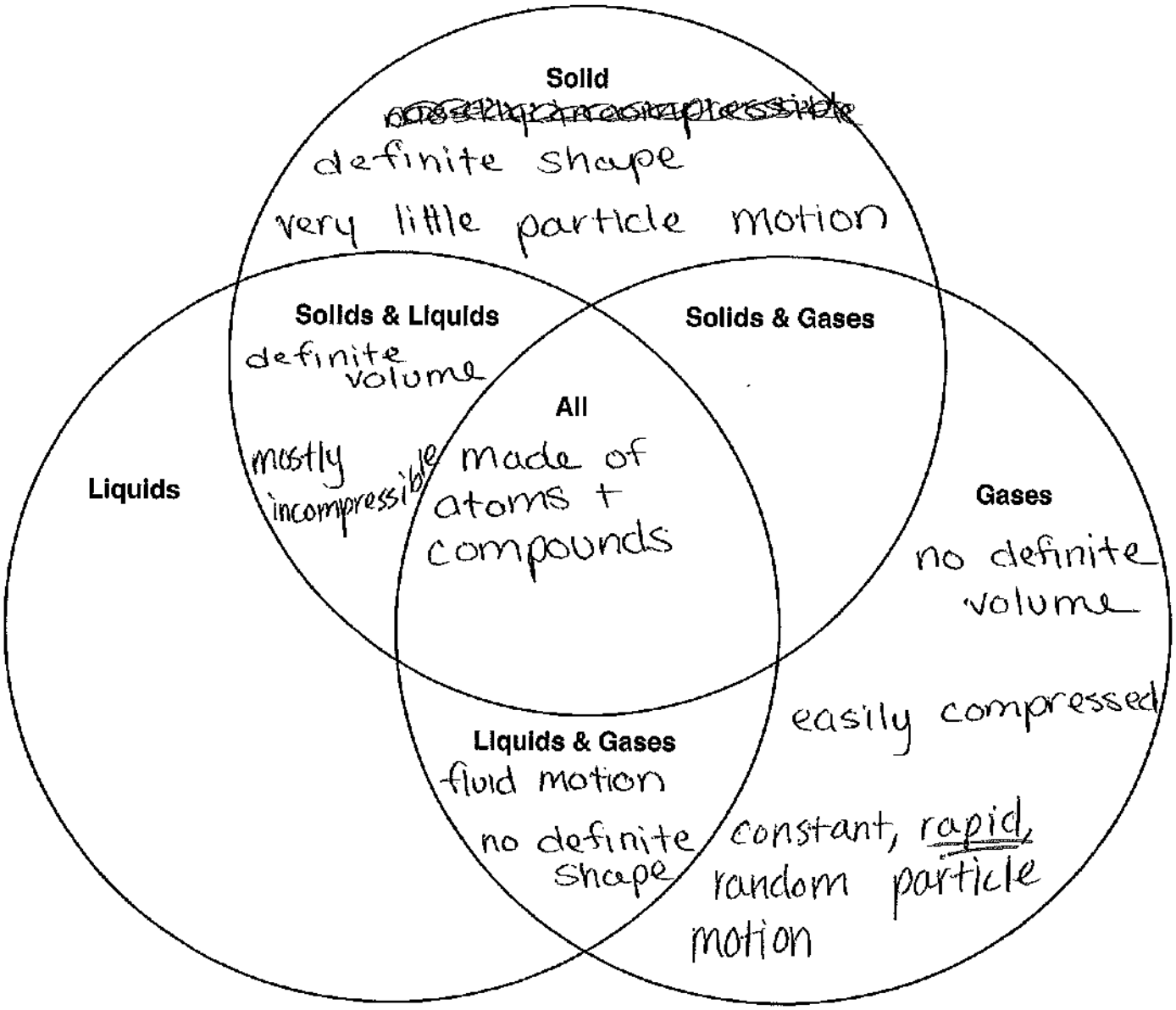

Name: _____ Date: _____ Block: _____

Water Phase Diagrams

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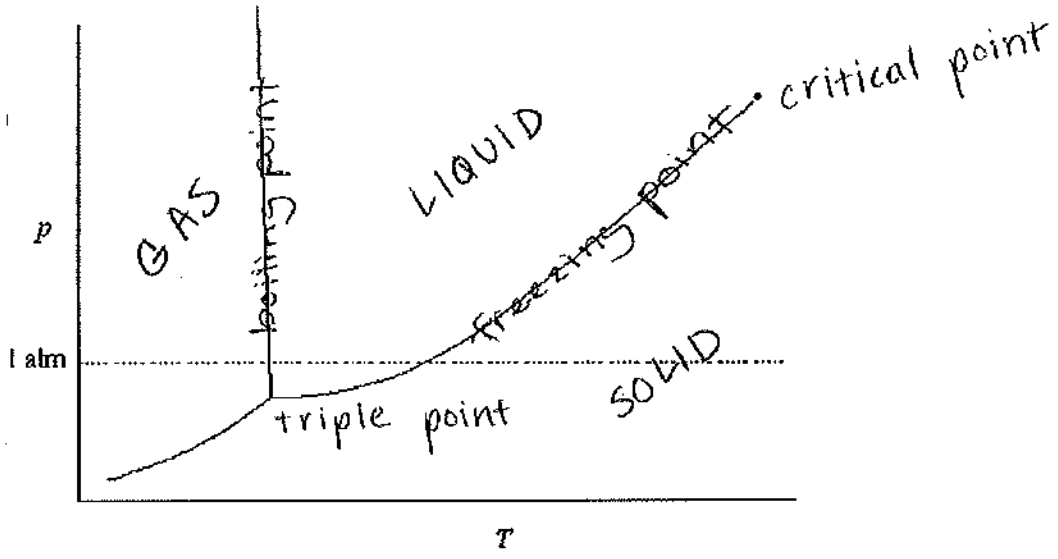
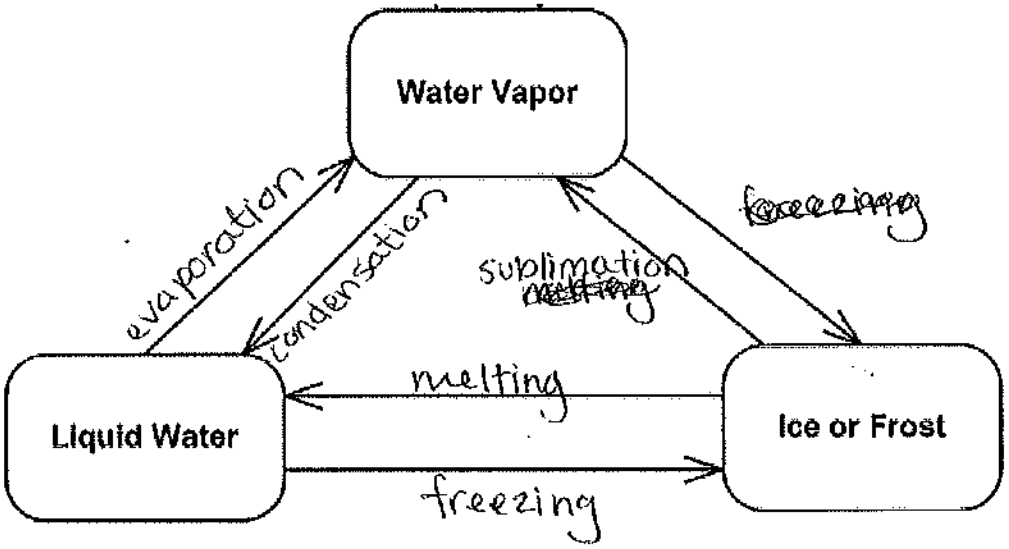
~~condensation~~	~~triple point~~	~~gas~~
~~melting point~~	~~evaporation~~	~~solid~~
~~melting~~	~~freezing~~	~~critical point~~



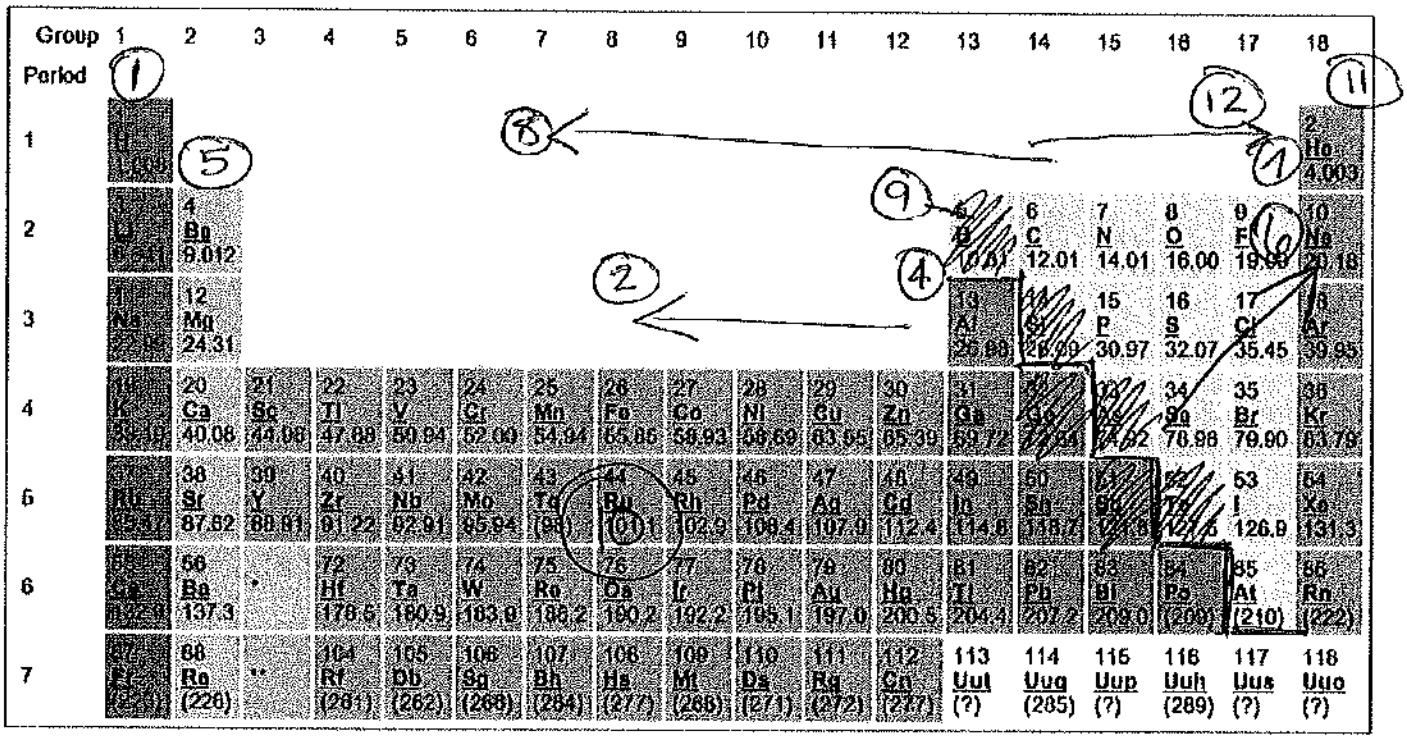


Name: _____ Date: _____ Block: _____

Label the Periodic Table

Label the periodic table below with the terms in the word bank.

alkali metals	1	alkaline earth metals	5	metalloid	9
metals	2	nonmetals	6	transition metals	10
inner transition metals	3	halogens	7	noble gases	11
stairstep	4	elements that form cations	8	elements that form anions	12



Name: _____ Date: _____ Block: _____

Classify Metals, Nonmetals, and Metalloids

Listed in the Item Bank below are some key terms and expressions associated with Newton's Laws of Motion. Write each of the items below in the appropriate column.

dull and brittle (1)	good conductor (6)	good insulator (11)
high density (2)	high luster (7)	left side of periodic table (12)
ductile (3)	noble gas (8)	oxygen, nitrogen, neon (13)
right side of periodic table (4)	semiconductor (9)	silicon, germanium, arsenic (14)
sodium, magnesium, iron (5)	malleable (10)	form positive ions (15)

Metals	Metalloids	Nonmetals
2	9	1
3	14	4
5		8
6		11
7		13
10		
12		
15		