

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Chemical vs. Physical Properties Warm-Up

## Day 1

Describe each of the following key vocabulary terms using your own words and then list 3 examples of Chemical and Physical Properties.

Property - \_\_\_\_\_

Chemical Property - \_\_\_\_\_

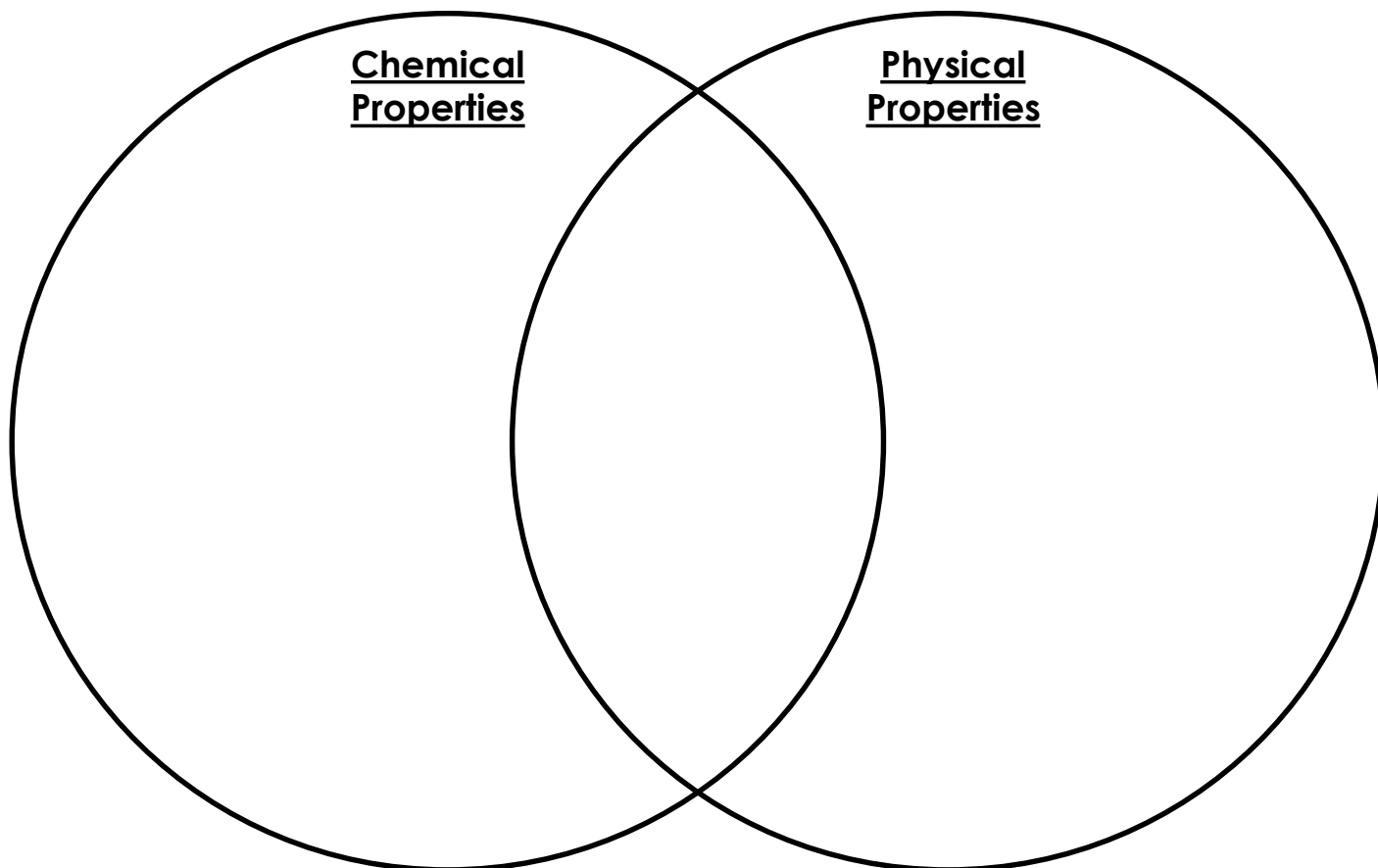
Physical Property - \_\_\_\_\_

List 3 Chemical Properties - \_\_\_\_\_

List 3 Physical Properties - \_\_\_\_\_

## Day 2

Compare and contrast Chemical and Physical Properties using the Venn Diagram below.



### Day 3

Write "C" for Chemical Property and "P" for Physical Property for the following examples.

1. \_\_\_\_ Boiling point
2. \_\_\_\_ Brittleness
3. \_\_\_\_ Flammability
4. \_\_\_\_ Luster
5. \_\_\_\_ Toxicity
6. \_\_\_\_ Ability to rust
7. \_\_\_\_ Malleability
8. \_\_\_\_ Density
9. \_\_\_\_ Ability to tarnish
10. \_\_\_\_ Reactivity

### Day 4

Using the chart below, fill in 2 Chemical Properties and 2 Physical Properties of each substance.

Substance	Chemical Properties	Physical Properties
Paper		
Iron (Metal)		
Gasoline		

### Day 5

Circle the correct answer for questions 1-4.

1. A student observed a silver, shiny, ductile metal during a lab. Which type of property did the student observe?  
A. Physical property  
B. Chemical property  
C. Both A and B  
D. Neither A or B
2. Which of the following would be an example of a physical property?  
A. Flammability  
B. Reactivity with water  
C. Freezing point  
D. Combustibility
3. Charcoal can be soaked in lighter fluid when grilling food. Lighter fluid is extremely flammable. This is an example of which type of property?  
A. Physical property  
B. Chemical property  
C. Both A and B  
D. Neither A or B
4. Which of the following would be an example of a chemical property?  
A. Melting point  
B. Ability to rust  
C. Color  
D. Ductility

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# Chemical vs. Physical Properties

## Warm-Up

### Day 1

Describe each of the following key vocabulary terms using your own words and then list 3 examples of Chemical and Physical Properties.

Property – a particular characteristic of a substance

Chemical Property - a characteristic that can only be determined by changing the identity of a substance

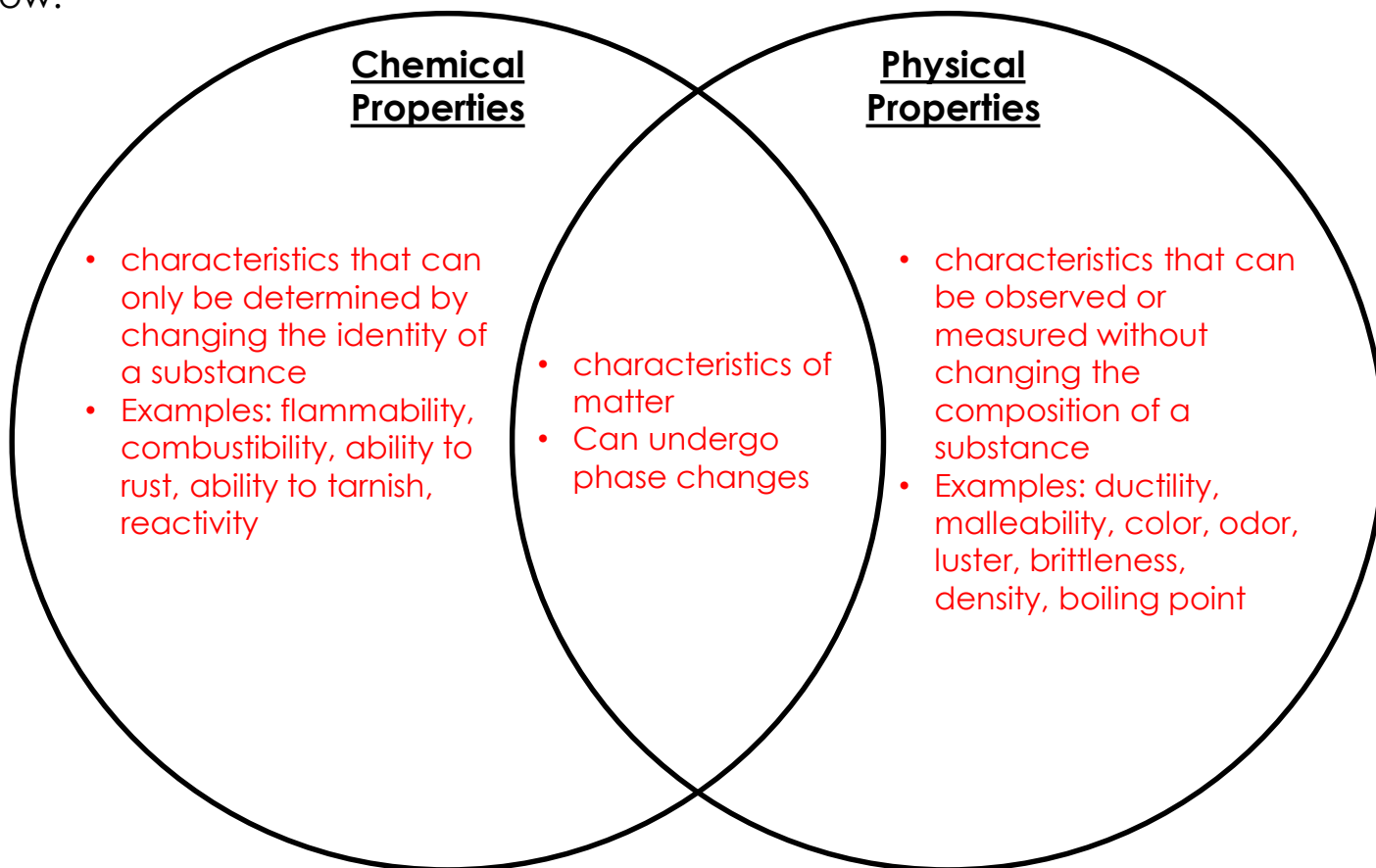
Physical Property - a characteristic that can be observed or measured without changing the composition of a substance

List 3 Chemical Properties – Answers will vary. Flammability, toxicity, ability to rust, etc.

List 3 Physical Properties – Answers will vary. Malleability, color, luster, etc.

### Day 2

Compare and contrast Chemical and Physical Properties using the Venn Diagram below.



### Day 3

Write "C" for Chemical Property and "P" for Physical Property for the following examples.

1. P Boiling point
2. P Brittleness
3. C Flammability
4. P Luster
5. C Toxicity
6. C Ability to rust
7. P Malleability
8. P Density
9. C Ability to tarnish
10. C Reactivity

### Day 4

Using the chart below, fill in 2 Chemical Properties and 2 Physical Properties of each substance.

Substance	Chemical Properties	Physical Properties
Paper	Flammability, reactivity	Solid, white, dull
Iron (Metal)	Ability to rust, non toxic, reacts with acids	Shiny, silver, malleable, ductile
Gasoline	Flammability, combustibility, reactivity, toxic	Clear, liquid, odor

### Day 5

Circle the correct answer for questions 1-4.

1. A student observed a silver, shiny, ductile metal during a lab. Which type of property did the student observe?

- A. Physical property
- B. Chemical property
- C. Both A and B
- D. Neither A or B

2. Which of the following would be an example of a physical property?

- A. Flammability
- B. Reactivity with water
- C. Freezing point
- D. Combustibility

3. Charcoal can be soaked in lighter fluid when grilling food. Lighter fluid is extremely flammable. This is an example of which type of property?

- A. Physical property
- B. Chemical property
- C. Both A and B
- D. Neither A or B

4. Which of the following would be an example of a chemical property?

- A. Melting point
- B. Ability to rust
- C. Color
- D. Ductility