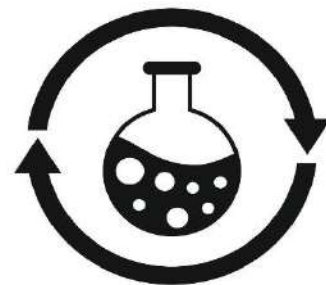


Name \_\_\_\_\_ Date \_\_\_\_\_



## PHYSICAL VS CHEMICAL CHANGES QUIZ

---

**1. Define the following terms:**

a. Physical change

---

---

---

b. Chemical change

---

---

---

c. Temporary chemical change

---

---

---

d. Permanent chemical change

---

---

---

**2. Which of the following are physical changes?** \_\_\_\_\_

- A. Burning a newspaper
- B. Steel girders become rusty when left open to moist air
- C. Carbonic acid in soft drinks decomposes to carbon dioxide in the stomach after consumption
- D. Pulverizing a paracetamol tablet into a powder

**3. Which of the following are chemical changes:** \_\_\_\_\_

- A. Growth of a plant
- B. Rusting of iron
- C. Mixing of iron fillings and sand
- D. Cooking of food
- E. Digestion of food
- F. Freezing of water
- G. Burning of candle

**4. Classify the following changes as chemical and physical changes by putting a tick in the appropriate box:**

<b>Change</b>	<b>Physical change</b>	<b>Chemical change</b>
Cutting of a tree		
Melting of butter in a pan		
Rusting of iron		
Formation of clouds in the air		
Dissolving common salt in water		
Making fruit salad with raw fruits		
Heating hydrated copper sulfate in air		
Heating water into steam		
Milk going sour		
Acid rain drips onto limestone and produces carbon dioxide gas		
Breaking a glass into pieces		
Digesting food into nutrients		
Heating of naphthalene		
Electrical conduction by copper wire		
Evaporation		
Wood rotting		
Pancake cooking on a griddle		
Grass growing on a lawn		
Water is absorbed in a paper towel		
Sugar browns when heated		
An egg boils in water		
Heating and cooling zinc oxide		
Burning magnesium in the air		

5. Burning of candles involves both physical and chemical changes. Explain

---

---

---

---

---

6. Eating chocolate and its digestion involves both physical and chemical changes. Explain

---

---

---

---

---

7. Complete the table below by giving at least 3 differences between physical changes and chemical changes.

Physical change	Chemical change

