

Landmarks in Chemical Discovery

Advanced Chemistry · Answer Key · 10 Questions

1. Who is credited with creating the first version of the Periodic Table of Elements in 1869?

A) Dmitri Mendeleev

B) Marie Curie

C) John Dalton

D) Robert Boyle

2. Which scientist is famously known for discovering the element Radium?

A) Louis Pasteur

B) Marie Curie

C) Isaac Newton

D) Antoine Lavoisier

3. What was the first synthetic plastic, invented by Alexander Parkes in 1862?

A) Nylon

B) Bakelite

C) Parkesine

D) Polystyrene

4. Which chemist is known as the father of modern chemistry for establishing the Law of Conservation of Mass?

A) Antoine Lavoisier

B) Jöns Jacob Berzelius

C) Amedeo Avogadro

D) Humphry Davy

5. What gas did Joseph Priestley discover in 1774, which he originally called 'dephlogisticated air'?

A) Nitrogen

B) Hydrogen

C) Oxygen

D) Carbon Dioxide

6. Which scientist proposed the atomic theory in the early 19th century, suggesting all matter is made of atoms?

A) Ernest Rutherford

B) Niels Bohr

C) John Dalton

D) Linus Pauling

7. In 1907, Leo Baekeland invented the first fully synthetic plastic. What was it called?

- A) Bakelite**
- B) PVC
- C) Teflon
- D) Polyethylene

8. Who was the first person to isolate the element Sodium through electrolysis?

- A) Michael Faraday
- B) Humphry Davy**
- C) Robert Bunsen
- D) Henry Cavendish

9. What is the name of the first synthetic dye, discovered by William Henry Perkin in 1856?

- A) Indigo
- B) Mauveine**
- C) Alizarin
- D) Congo Red

10. Which scientist is credited with the discovery of the structure of DNA, revolutionizing biochemistry?

- A) Rosalind Franklin
- B) James Watson and Francis Crick**
- C) Dmitri Mendeleev
- D) Alfred Nobel