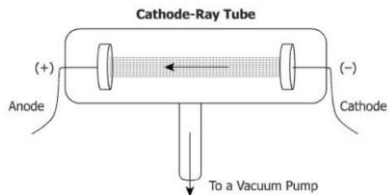


1. While English physicist J.J. Thomson was carrying out experiments on cathode rays, he was able to determine that the rays consisted of particles he called "corpuscles". These particles were later named –

- A protons
- B electrons
- C gamma rays
- D neutrons



2. Which of these correctly describes how organic catalysts operate in biological reactions?

- A They are used up in the reactions.
- B They lower the overall energy of the reactions.
- C They lower the activation energy of the reactions.
- D They keep the temperature of the reactions constant.

3. Each of four groups of students determined and recorded the melting point of a solid compound. If the actual melting point is 113°C, which group had the best precision?

- A Group 1
- B Group 2
- C Group 3
- D Group 4

Melting Point Results (°C)

Trial	Group 1	Group 2	Group 3	Group 4
1	113	114	116	110
2	111	115	113	111
3	110	111	114	111
4	110	110	113	110

4. Which structure represents a nonpolar molecule?

