

# Activate 2 – End-of-Year Assessment

Combined Science (Biology, Chemistry, Physics)

## Section A – Biology

1. Which test is used to identify starch? [1 mark]
2. What is the function of stomata? [1 mark]
3. Which is an example of continuous variation? [1 mark]
4. Identify a primary consumer from a food web. [1 mark]
5. What is produced during aerobic respiration? [1 mark]
6. Describe one change in pulse rate after exercise. [1 mark]
7. What happens to lynx population if hares increase? [1 mark]
8. Give one reason. [1 mark]
9. Which is a producer? [1 mark]
10. Unit used to measure power. [1 mark]

## Section B – Chemistry

1. Select two non-metals. [2 marks]
2. State two properties of non-metals. [2 marks]
3. Reactivity series question. [1 mark]
4. Complete word equation. [1 mark]
5. Name of a column in PT. [1 mark]
6. Definition of solvent. [1 mark]
7. Mass of iron in ore. [1 mark]
8. Identify ingredient containing protein. [1 mark]
9. Group 7 elements are called \_\_\_\_\_. [1 mark]
10. Why fluorine is most reactive. [1 mark]

## Section C – Physics

1. Energy store when object lifted. [1 mark]
2. Match systems to energy stores. [3 marks]
3. Energy dissipated sentence. [1 mark]
4. Incorrect energy statement. [1 mark]
5. Cyclist energy loss calculation. [1 mark]
6. Scooter kinetic energy change. [2 marks]
7. Match circuit symbols. [4 marks]
8. Ammeter measures rate of flow of \_\_\_\_\_. [1 mark]

9. Material for solenoid core. [1 mark]
10. Increase electromagnet strength. [1 mark]
11. Energy store in food. [1 mark]
12. Compare effects of coal vs wind. [3 marks]