

# Cour.pro UK — GCSE Combined Science Worksheet

15 practice questions - Name: \_\_\_\_\_ Date: \_\_\_\_\_

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1. What is the unit of electrical current?
  - A) Ohm
  - B) Ampere
  - C) Watt
  - D) Volt
2. Which particle is gained or lost to form ions?
  - A) Proton
  - B) Nucleus
  - C) Electron
  - D) Neutron
3. What type of bonding is found in sodium chloride?
  - A) Metallic
  - B) No bonding
  - C) Ionic
  - D) Covalent
4. Which system controls the body using electrical impulses?
  - A) Respiratory system
  - B) Digestive system
  - C) Nervous system
  - D) Circulatory system
5. In electrolysis, to which electrode do positive ions move?
  - A) The anode (positive electrode)
  - B) Both equally
  - C) The cathode (negative electrode)
  - D) Neither
6. How many joules is 2 kJ?
  - A) 20000 J
  - B) 200 J
  - C) 2000 J
  - D) 20 J
7. What is the function of the enzyme amylase?
  - A) Break down starch
  - B) Break down fat
  - C) Build glucose
  - D) Break down protein
8. What is the mass number of an atom?
  - A) Protons only
  - B) Electrons + protons
  - C) Protons + neutrons
  - D) Neutrons only
9. Balanced equation:  $2\text{H}\blacksquare + \text{O}\blacksquare \rightarrow ?$

- A) H $\blacksquare$ O $\blacksquare$
- B) 2HO
- C) H $\blacksquare$ O
- D) 2H $\blacksquare$ O

**10.** What is produced when an acid reacts with a metal?

- A) A salt and hydrogen
- B) Water only
- C) Carbon dioxide only
- D) A salt and oxygen

**11.** What is the equation for kinetic energy?

- A) force  $\times$  distance
- B)  $\frac{1}{2} \times$  mass  $\times$  speed<sup>2</sup>
- C) mass  $\times$  gravity  $\times$  height
- D) voltage  $\times$  current

**12.** Which organ produces insulin?

- A) Kidney
- B) Liver
- C) Stomach
- D) Pancreas

**13.** What name is given to a reaction that releases heat?

- A) Exothermic
- B) Endothermic
- C) Neutral
- D) Reversible

**14.** What is the name for a change in DNA?

- A) Evolution
- B) Adaptation
- C) Mutation
- D) Variation

**15.** What type of cell division produces gametes?

- A) Mitosis
- B) Budding
- C) Meiosis
- D) Binary fission

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### Answer key

1. B — Ampere 2. C — Electron 3. C — Ionic 4. C — Nervous system 5. C — The cathode (negative electrode) 6. C — 2000 J 7. A — Break down starch 8. C — Protons + neutrons 9. D — 2H $\blacksquare$ O 10. A — A salt and hydrogen 11. B —  $\frac{1}{2} \times$  mass  $\times$  speed<sup>2</sup> 12. D — Pancreas 13. A — Exothermic 14. C — Mutation 15. C — Meiosis