DoodleBeez Worksheets

Grades 6 to 8 | Science

Name: Date: Score: / 8

# Inside the Atom: Learn and Practice

Protons, neutrons and electrons

Read each question. Circle the best answer.

### 💡 Parts of an Atom

- Protons are positive and neutrons have no charge. Both sit in the nucleus.
- Electrons are negative and move around the nucleus.
- A neutral atom has equal numbers of protons and electrons.
- carbon: 6 protons and 6 electrons: neutral atom

**1** Which particle has a positive charge?

A. Photon B. Electron C. Proton D. Neutron

**2** Where are electrons found in an atom?

A. Stuck to neutrons only B. Inside the protons

C. Moving around the nucleus

D. In the center of the nucleus

**3** Which two particles make up almost all of an atom's mass?

A. Neutrons and electrons B. Protons and neutrons

C. Electrons and protons D. Electrons only

**4** Which particle has a negative charge?

A. Proton B. Electron C. Nucleus D. Neutron

**5** What is the tiny center of an atom called?

A. Molecule B. Nucleus C. Shell D. Orbit

**6** Which particle has no charge at all?

A. Proton B. Electron C. Neutron D. Ion

**7** A neutral atom has 17 protons. How many electrons does it have?

A. 0 B. 17 C. 34 D. 18

**8** An atom has 11 protons. Sodium has atomic number 11. What element is it?

A. Iron B. Carbon C. Neon D. Sodium

ANSWER KEY

# Inside the Atom: Learn and Practice (answers)

Protons, neutrons and electrons

Read each question. Circle the best answer.

1. Which particle has a positive charge?
A. Photon B. Electron **C. Proton** D. Neutron

2. Where are electrons found in an atom?
A. Stuck to neutrons only B. Inside the protons
**C. Moving around the nucleus**
D. In the center of the nucleus

3. Which two particles make up almost all of an atom's mass?
A. Neutrons and electrons **B. Protons and neutrons**
C. Electrons and protons D. Electrons only

4. Which particle has a negative charge?
A. Proton **B. Electron** C. Nucleus D. Neutron

5. What is the tiny center of an atom called?
A. Molecule **B. Nucleus** C. Shell D. Orbit

6. Which particle has no charge at all?
A. Proton B. Electron **C. Neutron** D. Ion

7. A neutral atom has 17 protons. How many electrons does it have?
A. 0 **B. 17** C. 34 D. 18

8. An atom has 11 protons. Sodium has atomic number 11. What element is it?
A. Iron B. Carbon C. Neon **D. Sodium**