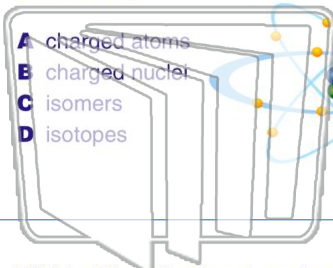




Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

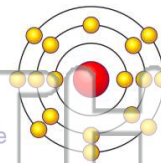
1 Atoms of the same element that have different numbers of **neutrons** are classified as

- A charged atoms
- B charged nuclei
- C isomers
- D isotopes



2 Compared to the **radius** of a **chlorine atom**, the **radius** of a **chloride ion** is

- A larger because chlorine loses an electron
- B larger because chlorine gains an electron
- C smaller because chlorine loses an electron
- D smaller because chlorine gains an electron



3 Which of the following atoms has the greatest tendency to **attract** electrons?

A barium



4 The change that is undergone by an atom of an element made **radioactive** by **bombardment** with high-energy

5

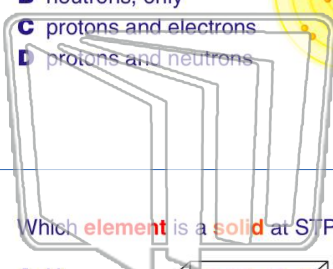
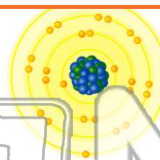


## PREVIEW

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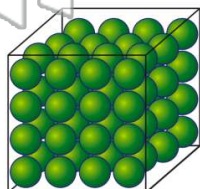
7

- A electrons, only
- B neutrons, only
- C protons and electrons
- D protons and neutrons



9 Which **element** is a **solid** at STP?

- A H<sub>2</sub>
- B I<sub>2</sub>
- C N<sub>2</sub>
- D O<sub>2</sub>



ground state?

- A 6
- B 8
- C 3
- D 4



10 What occurs when an **atom of chlorine** forms a **chloride ion**?

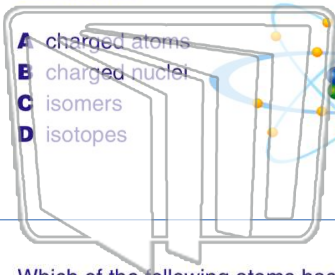
- A The chlorine atom gains an electron, and its radius becomes smaller.
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- C The chlorine atom loses an electron, and its radius becomes smaller.
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Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

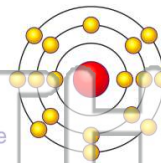
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4 The change that is undergone by an atom of an element made **radioactive** by **bombardment with high-energy particles** is called



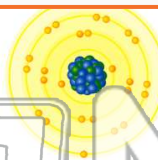
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7

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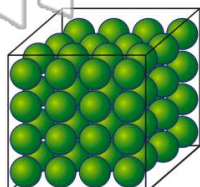
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