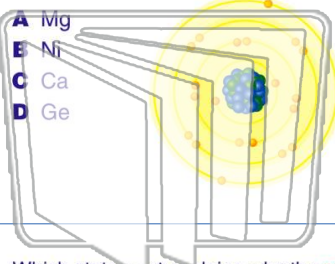




Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Which element has an atom with the **electron configuration 2-8-8-2**?



- A Mg
- B Ni
- C Ca
- D Ge

2 **Arsenic** and **silicon** are similar in that they both

- A have the same ionization energy
- B have the same covalent radius
- C are transition metals
- D are metalloids

3 Which statement explains why the **radius** of a **lithium atom** is larger than the radius of a **lithium ion**?

- A Metals lose electrons when forming

4 The atoms of the elements in **Group 2** have the **same**

- A mass number

|    |           |
|----|-----------|
| 4  | Be        |
|    | Beryllium |
| 12 | Mg        |
|    | Magnesium |

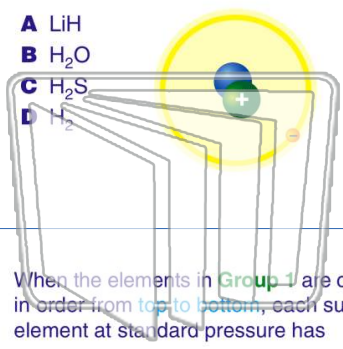


## PREVIEW

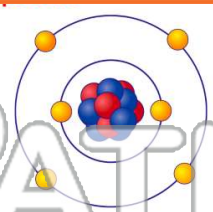
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7

- A LiH
- B H<sub>2</sub>O
- C H<sub>2</sub>S
- D H<sub>2</sub>



- A H
- B He
- C C
- D Ca



9 When the elements in **Group 1** are considered in order from **top to bottom**, each successive element at standard pressure has

- A a higher melting point and a higher boiling point
- B a higher melting point and a lower boiling point
- C a lower melting point and a higher boiling point
- D a lower melting point and a lower boiling point

10 What is the total number of **valence electrons** in a **fluorine** atom in the ground state?

- A 5
- B 2
- C 7
- D 9

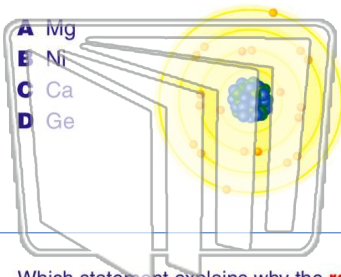
|   |          |
|---|----------|
| 9 | F        |
|   | Fluorine |



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

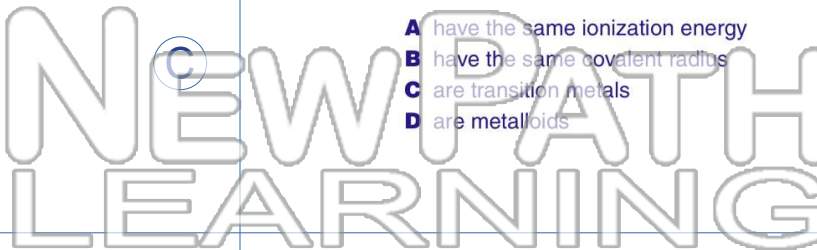
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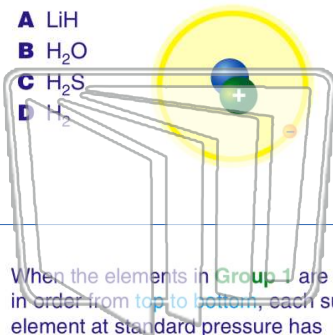


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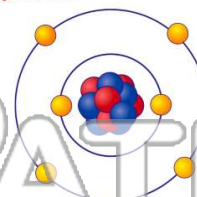
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