

Name : \_\_\_\_\_ Date : \_\_\_\_\_

# Periodic Table

- ① List the symbols of the elements in Period 2.
- ② List the atomic numbers of the elements in Period 2.
- ③ Name the elements in Period 2 that are metals.
- ④ Name the elements in Period 2 that are nonmetals.
- ⑤ Which elements are located in the following groups and periods?
  - ① Group 4, Period 5
  - ② Group 2, Period 2
  - ③ Group 6, Period 6
  - ④ Group 18, Period 1
  - ⑤ Group 14, Period 5
  - ⑥ Group 12, Period 4
  - ⑦ Group 1, Period 7
  - ⑧ Group 16, Period 6
  - ⑨ Group 17, Period 3
  - ⑩ Group 11, Period 5
- ⑥ For each of the following, label it as metal, nonmetal, and metalloid.
  - ① Poor conductor of electricity
  - ② Usually a solid at room temperature
  - ③ Ductile
  - ④ Usually a gas at room temperature
  - ⑤ Good conductor of heat
  - ⑥ Brittle
  - ⑦ Chlorine
  - ⑧ Semiconductor

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# Periodic Table

## Answers

- ① List the symbols of the elements in Period 2.

Li      Be      B      C      N      O      F      Ne

- ② List the atomic numbers of the elements in Period 2.

Li = 3      Be = 4      B = 5      C = 6      N = 7  
O = 8      F = 9      Ne = 10

- ③ Name the elements in Period 2 that are metals.

Lithium      Beryllium

- ④ Name the elements in Period 2 that are nonmetals.

Carbon      Nitrogen      Oxygen      Fluorine

- ⑤ Which elements are located in the following groups and periods?

- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| ① Group 4, Period 5 <b>Zirconium</b> | ① Group 12, Period 4 <b>Zinc</b>     |
| ② Group 2, Period 2 <b>Beryllium</b> | ② Group 1, Period 7 <b>Francium</b>  |
| ③ Group 6, Period 6 <b>Tungsten</b>  | ③ Group 16, Period 6 <b>Polonium</b> |
| ④ Group 18, Period 1 <b>Helium</b>   | ④ Group 17, Period 3 <b>Chlorine</b> |
| ⑤ Group 14, Period 5 <b>Tin</b>      | ⑤ Group 11, Period 5 <b>Silver</b>   |

- ⑥ For each of the following, label it as metal, nonmetal, and metalloid.

- |   |
|---|
| ① Poor conductor of electricity <b>Nonmetal</b>     |
| ② Usually a solid at room temperature <b>Metal</b>  |
| ③ Ductile <b>Metal</b>                              |
| ④ Usually a gas at room temperature <b>Nonmetal</b> |
| ⑤ Good conductor of heat <b>Metal</b>               |
| ⑥ Brittle <b>Metalloid</b>                          |
| ⑦ Chlorine <b>Nonmetal</b>                          |
| ⑧ Semiconductor <b>Metalloid</b>                    |