

### 8.1.1 Atomic Models Quiz 2 retest Worksheet

Match the element name with the correct number of protons

|         |    |
|---------|----|
| lithium | 3  |
| sulfur  | 14 |
| gallium | 16 |
| bromine | 35 |
| silicon | 31 |

Determine how many of each type of subatomic particle the element has. Put the number in the box. (No decimals)

| Chemical symbol | protons | electrons | neutrons |
|-----------------|---------|-----------|----------|
| P               |         |           |          |
| Ca              |         |           |          |
| O               |         |           |          |
| Kr              |         |           |          |
| Zn              |         |           |          |
| Co              |         |           |          |
| Be              |         |           |          |
| potassium       |         |           |          |
| nickel          |         |           |          |
| bromine         |         |           |          |

| How many electron shells would each element have? |  |
|---|--|
| hydrogen  |  |
| boron   |  |
| Fe  |  |
| argon   |  |
| S   |  |
| chlorine  |  |
| copper  |  |
| selenium  |  |
| Mn  |  |
| Cr  |  |

| How many electrons are in <u>each</u> of the electron shells of these elements? |                 |                 |                 |                 |
|---|-----------------|-----------------|-----------------|-----------------|
| element   | 1 <sup>st</sup> | 2 <sup>nd</sup> | 3 <sup>rd</sup> | 4 <sup>th</sup> |
| Li  |                 |                 |                 |                 |
| oxygen  |                 |                 |                 |                 |
| Mg  |                 |                 |                 |                 |
| calcium   |                 |                 |                 |                 |
| As  |                 |                 |                 |                 |