

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

## CHEMISTRY

### Electrons & Electron Clouds

**Part 1:** How many valence electrons does each atom have in its neutral and ground state? Type one number for each element: 1 to 8.

<input type="text"/>	H	<input type="text"/>	S	<input type="text"/>	Te
<input type="text"/>	He	<input type="text"/>	Ar	<input type="text"/>	I
<input type="text"/>	Li	<input type="text"/>	Ge	<input type="text"/>	Xe
<input type="text"/>	N	<input type="text"/>	As	<input type="text"/>	Cs
<input type="text"/>	F	<input type="text"/>	Br	<input type="text"/>	Pb
<input type="text"/>	Mg	<input type="text"/>	Sr	<input type="text"/>	Fr
<input type="text"/>	Al	<input type="text"/>	In	<input type="text"/>	Lv

**Part 2:** How many electron shells (orbitals, clouds) does each element have around their nucleus in the neutral & ground state? Type one number for each element: 1 to 7.

<input type="text"/>	H	<input type="text"/>	S	<input type="text"/>	Te
<input type="text"/>	He	<input type="text"/>	Ar	<input type="text"/>	I
<input type="text"/>	Li	<input type="text"/>	Ge	<input type="text"/>	Xe
<input type="text"/>	N	<input type="text"/>	As	<input type="text"/>	Cs
<input type="text"/>	F	<input type="text"/>	Br	<input type="text"/>	Pb
<input type="text"/>	Mg	<input type="text"/>	Sr	<input type="text"/>	Fr
<input type="text"/>	Al	<input type="text"/>	In	<input type="text"/>	Lv