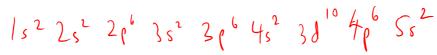
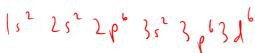
Year 12 Chemistry Quick Quiz: Elemental Chemistry

- 1. Write the electron configuration for the following:
 - (a) strontium



(b) Fe²⁺



- 2. What is the name given to the Group I elements?
- Alkali metals
- 3. Write the charge of the monatomic ion for the following:
 - (a) carbon

- (b) phosphorus p3-
- (c) oxygen n^{1}
- 4. Write the covalences for the following elements:
 - (a) N

- (b) sulfur 2,46
- 5. For the following elements, state whether the electronegativity is high, intermediate or low, and write an equation (if it reacts) for the reaction of the given oxide with water.
 - (a) Potassium (use oxide K₂O)

(b) Be (use oxide BeO) intermediate



- 6. For the following molecules, write the oxidation state of each element:
 - (a) SO_3
- 5: +6 0: -2

- (c) H_2O_2
- H:+1 0:-1

- (b) HCO3 1111 C3 +4 01-2
- (d) Be3Al2(SiO3)6 Be +2 Al:+3 Si :14 0:-2
- 7. Draw the following molecules. Include bond and molecular polarity. Name the shape.
 - (a) NH₃

