Revision 2 Trends in physical properties

1. The distance between two atoms when they are bound together by a single bond in a covalent molecule is called …….

2. …….. will have the largest size in a period.

3. The atomic size …….. on moving left to right in a period.

4. Consider the following species:

N^{3-}, O^{2-}, F^{-}, Na^{+}, Mg^{2+}, Al^{3+}

(a) What is common in them?

(b) Arrange them in order of increasing ionic radii

5. **True or False:**

i. The size of an anion is greater than its parent atom

ii. The second ionization enthalpy is higher than first ionization enthalpy.

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