

Covalent Molecules 1: Hydrogen, Chlorine & Hydrogen Chloride

1. What is a single covalent bond?

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2. What is the formula of a hydrogen molecule?

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3. What is the formula of a chlorine molecule?

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4. What is the formula of a fluorine molecule?

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5. What is the formula of a bromine molecule?

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6. What is the formula of a hydrogen chloride molecule?

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7. What is the formula of a hydrogen fluoride molecule?

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8. What is the formula of a hydrogen bromide molecule?

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9. Draw a dot and cross diagram to show the electrons in the following molecules. Show outer electrons only.

a) Hydrogen:

b) Chlorine:

c) Hydrogen chloride:

d) Fluorine:

e) Hydrogen Fluoride: