Name:	**Class:**	**1st week**

Describe a test to show a gas is hydrogen.

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What is an atom?

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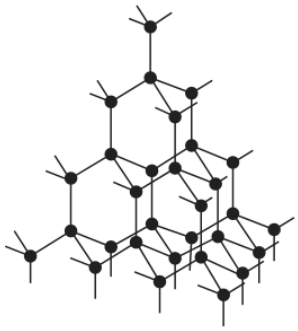
Name the following substance.



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The formula for iron oxide is Fe_2O_3. Calculate the maximum mass of iron that can be obtained from 240 tonnes of iron oxide, Fe_2O_3. (relative atomic masses: O = 16, Fe = 56)

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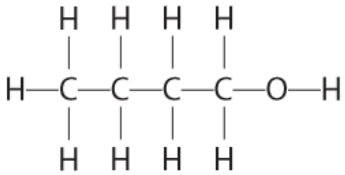
Balance the following equation.

……$Na + 2H_2O \rightarrow$ ……$NaOH +$ ……H_2

Name the following substance.



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Explain how the structure of a nickel atom, Ni, changes when it forms a nickel ion, Ni^{2+}.

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Give the electronic configuration of a chlorine atom.

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Give the formula of sulphuric acid.

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Why does graphite conduct electricity?

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State the formula of an **ammonium ion**.

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