**Periodic Table**

Everything is made from atoms. The periodic table lists all of the possible atoms that are available to choose from.

1. Elements. Some elements are very well known, others not. List 5 elements you know that are

 useful for something e.g. oxygen – required for breathing (respiration).

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2. List 5 elements you have never heard of and research one use for each one.

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3. Elements belong to one of two obvious categories. Look at the samples provided to explain what these two obvious categories are.

Category one: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Category two: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. The glass in the windows of the classroom is mainly made from silicon and oxygen and has a formula, SiO2.

Research one item in the room no-one else has chosen and use yellow post-it notes to identify the atoms it contains. This task is to highlight that every object is made from elements listed on your periodic table.

5. Which items in the room are elements and which are compounds?

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