

ELEMENTS QUESTIONS

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1. What is an element?

A fundamental substance that cannot be broken into simpler substances during
chemical interactions.

2. How are matter and elements related?

All matter is made of elements. Elements combine to make all forms of matter
on Earth.

3. How was Mendeleev able to predict the existence of elements that had not yet been discovered?

He organized the elements by weight in rows and by chemical properties in
columns. The known elements had to be arranged with gaps in the display
in order to get the properties to line up in columns. The gaps described
undiscovered elements.

4. What is the periodic table of the elements?

A display of all the elements showing how they relate to one another. Elements
get heavier as you read across the rows from left to right; elements have
similar chemical properties as you read down the columns.