

Name:

Date:

Class:

Alkane Resources Pre-Quiz

Consider your own background experience and knowledge to describe the chemistry meaning of the following words: (If you do not know, write your best guess.)

element:

compound:

hydrocarbon:

alkane:

chemical reaction:

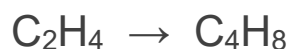
monomer:

oligomerization:

renewable resource:

non-renewable resource:

Matter cannot be created or destroyed (this is the Law of Conservation of Matter). In chemistry, this means we must **BALANCE** our written chemical reactions by making sure each side of the arrow has the same number of atoms of each element. Try to balance the reaction below.



The reaction shown above contains both elements and compounds. List the elements and compounds found in that reaction.

Elements:

Compounds:

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Describe the main characteristic of alkanes as compared with other hydrocarbons.