Name: 
Date: 
Grade: 

Worksheet about ‘Combustion’

Q1) Choose the correct answer.

1. Gas, oil, wood, coal, and wax are called
   a- Combustibles
   b- Oxidizers
   c- Flammable
   d- Fuels

2. The gas required for the combustion reaction is
   a- dihydrogen.
   b- oxygen.

3. The two essential reagents for the combustion reaction are
   a- a fuel and the dinitrogen.
   b- a fuel and oxygen.

4. Oxygen is called
   a- Fuel
   b- Oxidizer
5. Combustion is a chemical reaction that produces
   a- Energy, electricity and light
   b- Energy, heat and light.
   c- Energy, electricity, and fire
   d- Flame, humidity, and heat.

6. The ignition temperature is defined as:
   a- The maximum temperature that a material or substance
      can tolerate before it changes its appearance.
   b- The minimum temperature that a material or substance
      needs to start burning.
   c- The maximum temperature that a material or substance
      can tolerate before starting to burn.

7. The correct statement is
   a- All substances and materials have the same ignition
      temperature.
   b- The ignition temperature is specific to each material.

8. What happens when there is not enough oxygen?
   a- Complete combustion
   b- Incomplete combustion

9. The blue color of a flame indicates that
   a- Lack of oxygen
   b- Excess of oxygen

10. The correct statement is
a- A complete combustion requires a greater adduction of oxygen than an incomplete combustion.
b- A complete combustion requires a less adduction of oxygen than an incomplete combustion.

11. The blue color of flames show that the combustion is
   a- Complete
   b- Incomplete

12. The orange color in flames show that the combustion is
   a- Complete
   b- Incomplete

13. Carbon monoxide and a carbon black deposit are formed during
   a- Complete combustion reactions
   b- Incomplete combustion reactions

Q2) Fill in the blanks

For a combustion reaction to take place 3 elements must be present:

1. _______ which is the substance or material that burns during combustion.

2. _______ is the substance that helps to burn and is often the dioxygen.
3. ________ activation that triggers the combustion reaction.

Q3) Choose the right word

1. temperature
2. burning
3. easier
4. lower
5. Ignition temperature

......... is the minimum .......... that a substance or material needs to start .......

The ........ the ignition temperature of a material is, the .......... it is to trigger combustion.