The Atmosphere

Name_____ Class_____ Date_____

1 The **energy** from the sun is transferred to the earth as _____.

A balls of heat
B solar wind
C electromagnetic radiation
D the northern lights

2 Some heat in the atmosphere is transferred when two objects touch each other. This heat always **moves** from the **warmer object to the colder object** until both objects are **equal** in temperature. The transfer of heat energy from one object to another by physical contact is called _____.

A convection
B conduction
C convention
D contrition

3 Most of the heat energy that is in the atmosphere is transferred by **convection**, which is _____.

4 As the **air** at the surface of the earth is **warmed**, in which **direction** does it move?

5

7 responsible for **heating** the earth's atmosphere?

A radiation, conduction, and nuclear fission
B radiation, convection, and burning fossil fuels
C convection, burning fossil fuels, and conduction
D radiation, convection, and conduction

down as _____.

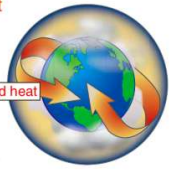
A hot air inside the house is conducted to the cold air outside the house
B cold air outside the house is conducted to the hot air inside the house
C the house gives off electromagnetic radiation
D the sun's energy is reflected off the house

9 The earth's surface absorbs the sun's energy and heats up. At night, the warm earth gives off heat into the atmosphere which escapes into space. However, the accumulation of carbon dioxide and other gases in the atmosphere **trap heat** nearer the earth. Scientists call this process _____.

A the oven effect
B the greenhouse effect
C polar ice melting
D global warming

10 Some scientists have studied the earth's present climate and have concluded that the accumulation of carbon dioxide from the burning of fossil fuels has **considerably increased** greenhouse gases. If this increase **continues**, what **outcome** might be expected?

A rising average global temperatures
B melting of polar ice caps
C rising sea levels
D all of the above might occur



The Atmosphere

Earth Sci

Name_____ Class_____ Date_____

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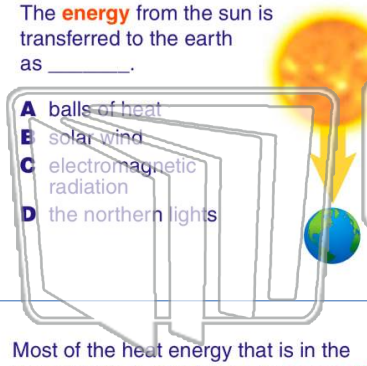

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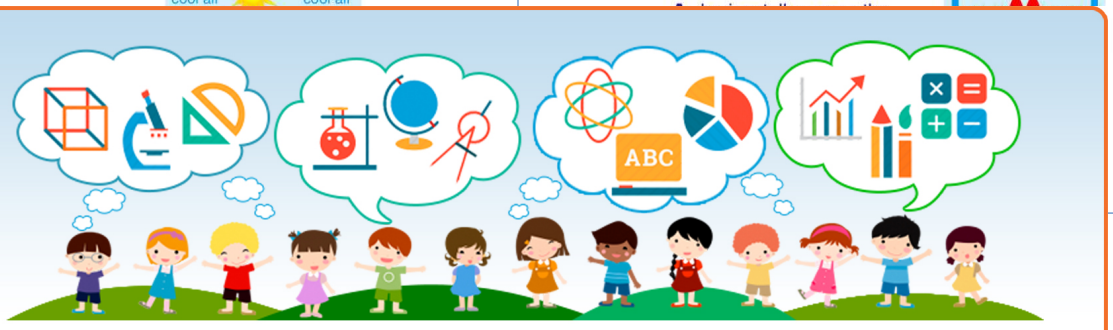

5

B

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B radiation, convection, and burning fossil fuels
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D

down as _____.

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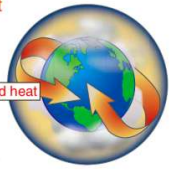

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