

Science quiz Ch 2.1 & 2.2

Name: _____

Grade: _____

Quiz: Chapter 2.1 & 2.2 – Food, Fuels, and Energy Resources**

1.- What unit is used to measure the energy content of food and fuels?

- a) Newtons (N)
- b) Degrees Celsius (°C)
- c) Joules (J)
- d) Watts (W)

2.- Which of the following foods has the highest energy content per 100g?

- a) Apple (200 kJ)
- b) Banana (340 kJ)
- c) Chocolate (1500 kJ)
- d) Peas (250 kJ)

3.-What is the main reason athletes need more energy than the average person?

- a) They eat more food.
- b) They use more energy during physical activities.
- c) They have larger bodies.
- d) They burn less energy while sleeping.

4.-Which of the following is a fossil fuel?

- a) Solar energy
- b) Wind energy
- c) Coal
- d) Biomass

5.- What is the main disadvantage of burning fossil fuels?

- a) They are expensive.
- b) They produce carbon dioxide, contributing to climate change.
- c) They are difficult to extract.
- d) They are renewable.

6.-Which energy resource is formed from the remains of ancient sea creatures and plants?

- a) Solar energy
- b) Wind energy
- c) Fossil fuels
- d) Nuclear energy

7.- What is the primary advantage of renewable energy resources?

- a) They are cheaper than fossil fuels.
- b) They are sustainable and won't run out.
- c) They are more reliable than fossil fuels.
- d) They produce more energy than fossil fuels.

8.- Which of the following is a renewable energy resource?

- a) Coal
- b) Natural gas
- c) Wind energy
- d) Uranium

9.- What is the main purpose of a thermal power station?

- a) To generate electricity using solar panels.
- b) To burn fossil fuels and produce electricity.
- c) To harness wind energy.
- d) To store energy in batteries.

10.- Which of the following is true about nuclear power stations?

- a) They produce large amounts of carbon dioxide.
- b) They use uranium as fuel and produce radioactive waste.
- c) They are a type of renewable energy resource.
- d) They are less reliable than fossil fuel power stations.

Score: _____ / 10