ENERGY TEST (III): READ AND TICK THE RIGHT ANSWER

1. Energy is…			
A force that can produce light, sound, heat or electricity.	A force that can cause electricity to flow.	Anything that can cause a chemical reaction.	Anything that can cause a change in matter.
2. Energy can be produced…			
With the movement of charged particles.	With endothermic or exothermic reactions.	Burning fuel to release a chemical reaction.	All answers are incorrect.
3. It depends on mass and position.			
Chemical energy	Kinetic energy	Potential energy	Mechanical energy
4. It depends on mass and velocity.			
Chemical energy	Kinetic energy	Potential energy	Mechanical energy
5. Chemical energy can be stored…			
In batteries, food or fuels.	In power stations.	In water, wind or geothermal deposits.	Chemical energy can't be stored.
6. It is related to the movement of the atoms in an object.			
Potential energy	Thermal energy	Electrical energy	Light energy
7. A microwave transforms electricity into…			
All answers are correct.	Chemical energy.	Thermal energy.	Electromagnetic radiation.
8. It is not an exothermic reaction			
Photosynthesis	Burning fuel	Burning coal	Burning gas
9. When an object gains thermal energy it			
Cools down	Explodes	Releases energy	Heats up
10. Digesting food is a type of			
Potential energy	Exothermic reaction	Endothermic reaction	Chemical reaction

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11. Sound energy travels in			
Waves caused by vibration	Waves caused by position	Heat waves	Electromagnetic waves
12.Electricity is…			
Produced in power stations	A type of electromagnetic wave.	The movement of atoms.	The movement of charged particles between atoms.
13.It is a finite source of energy used for heating and cooking at home			
Wind energy	Natural gas	Solar energy	Geothermal energy
14. Pellets or ethanol are			
Biofuels	Thermal fuels	Fossil fuels	All answers are correct
15. They are sustainable, renewable and clean, but they are not dependable.			
Fossil fuels	Wind and solar energy	Biofuels	Coal and gas.
16. Why can't you listen to sounds in outer space?			
Because light energy needs air to travel.	Because sound waves need air to travel.	Because electromagnetic waves need air to travel.	Because astronauts usually wear ear pods.
17. The turbine in a wind mill and in a hydroelectric station turns…			
Kinetic energy into electricity.	Potential energy into electricity.	Thermal energy into electricity.	All answers are correct.
18. Nuclear power stations…			
Don't produce air pollution.	Produce radioactive waste	Break atoms of uranium to release energy	All answers are correct.
19. This liquid fossil fuel needs to be refined.			
Coal	Natural gas	Petroleum	Gasoline
20. This is a natural source of light			
LED lights	Laser	Stars	Torch

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