

24 Multiple choice questions

1. a device or piece of equipment designed to perform a specific task
 - a. LED light
 - b. downlight
 - c. appliance
 - d. watt (W)

2. living in an environment where the temperature is at a comfortable level, keeping the home cool in summer and warm in winter
 - a. terawatt (TW)
 - b. thermal comfort
 - c. running cost
 - d. energy rating

3. 1 000 000 000 000 watts
 - a. megawatt (MW)
 - b. terawatt (TW)
 - c. gigawatt (GW)
 - d. watt (W)

4. a government standard for energy-efficiency housing, including requirements for environmentally-friendly water use, thermal comfort and energy use
 - a. gigawatt (GW)
 - b. Building Sustainability Index (BASIX)
 - c. incandescent light bulb
 - d. sustainability

5. a unit of power equal to one joule of energy per second
 - a. terawatt (TW)
 - b. kilowatt (KW)
 - c. watt (W)
 - d. gigawatt (GW)

6. the practice of maintaining the earth's natural resources effectively and without undue waste, to support its long-term ecological balance
 - a. running cost
 - b. downlight
 - c. sustainability
 - d. insulation
7. lower rates charged when electricity demand is low
 - a. energy rating
 - b. off-peak rate
 - c. domestic rate
 - d. appliance
8. the action of using up a resource
 - a. downlight
 - b. consumption
 - c. insulation
 - d. running cost
9. a unit of power equal to 1000 watts
 - a. kilowatt (KW)
 - b. megawatt (MW)
 - c. gigawatt (GW)
 - d. watt (W)
10. the amount regularly spent to operate electrical items, such as heaters, fridges etc.
 - a. consumption
 - b. running cost
 - c. downlight
 - d. LED light
11. an energy-saving light designed to replace an incandescent lamp
 - a. watt-hour (Wh)
 - b. megawatt (MW)
 - c. compact fluorescent lamp (CFL)
 - d. incandescent light bulb

12. the power needed for an appliance to be ready to use at a moments notice
- running cost
 - standby power
 - watt (W)
 - megawatt (MW)
13. a unit of electrical energy equivalent to that used by one kilowatt of power in one hour
- watt-hour (Wh)
 - kilowatt (KW)
 - gigawatt (GW)
 - kilowatt-hour (kWh)
14. a source of electric light that works by incandescence, which is the emission of light caused by heating the filament
- consumption
 - downlight
 - incandescent light bulb
 - LED light
15. a light placed or designed so as to throw illumination downwards
- appliance
 - insulation
 - downlight
 - LED light
16. 1000 kW or 1 000 000 W
- megawatt (MW)
 - gigawatt (GW)
 - terawatt (TW)
 - watt (W)
17. material used to insulate something
- consumption
 - insulation
 - LED light
 - energy rating

18. a semiconductor device that emits visible light when an electric current passes through it
- insulation
 - appliance
 - LED light
 - downlight
19. a way of managing and restraining the growth in energy consumption; this term is used to describe something if it delivers more services for the same energy input, or the same services for less energy input
- energy-efficient
 - LED light
 - energy rating
 - insulation
20. 1000 MW or 1 000 000 000 W
- gigawatt (GW)
 - kilowatt (KW)
 - terawatt (TW)
 - megawatt (MW)
21. a indication of the relative efficiency of an appliance, an estimate of the comparative annual energy consumption (kilowatt hours/year) of the appliance based on the tested energy consumption and information about the typical use of the appliance in the home
- energy-efficient
 - energy rating
 - insulation
 - domestic rate
22. a measure of electrical energy equivalent to a power consumption of one watt for one hour
- kilowatt-hour (kWh)
 - watt-hour (Wh)
 - watt (W)
 - gigawatt (GW)
23. an organic natural resource which can replenish to overcome usage and consumption, either through biological reproduction or other naturally recurring processes
- renewable energy
 - terawatt (TW)
 - megawatt (MW)
 - energy rating

24. the price charged per unit of resource consumed in households
- a. energy rating
 - b. off-peak rate
 - c. domestic rate
 - d. downlight