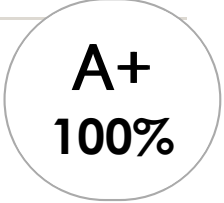


## 24 Multiple choice questions



**A+**  
**100%**

1. a device or piece of equipment designed to perform a specific task
  - a. LED light
  - b. downlight
  - c. **CORRECT: 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. **CORRECT: thermal comfort**
  - c. running cost
  - d. energy rating
  
3. 1 000 000 000 000 watts
  - a. megawatt (MW)
  - b. **CORRECT: 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. **CORRECT: 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. **CORRECT: 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. **CORRECT: sustainability**
  - d. insulation
  
7. lower rates charged when electricity demand is low
  - a. energy rating
  - b. **CORRECT: off-peak rate**
  - c. domestic rate
  - d. appliance
  
8. the action of using up a resource
  - a. downlight
  - b. **CORRECT: consumption**
  - c. insulation
  - d. running cost
  
9. a unit of power equal to 1000 watts
  - a. **CORRECT: 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. **CORRECT: 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. **CORRECT: compact fluorescent lamp (CFL)**
  - d. incandescent light bulb
  
12. the power needed for an appliance to be ready to use at a moments notice
  - a. running cost
  - b. **CORRECT: standby power**
  - c. watt (W)
  - d. megawatt (MW)
  
13. a unit of electrical energy equivalent to that used by one kilowatt of power in one hour
  - a. watt-hour (Wh)
  - b. kilowatt (KW)
  - c. gigawatt (GW)
  - d. **CORRECT: kilowatt-hour (kWh)**
  
14. a source of electric light that works by incandescence, which is the emission of light caused by heating the filament
  - a. consumption
  - b. downlight
  - c. **CORRECT: incandescent light bulb**
  - d. LED light
  
15. a light placed or designed so as to throw illumination downwards
  - a. appliance
  - b. insulation
  - c. **CORRECT: downlight**
  - d. LED light
  
16. 1000 kW or 1 000 000 W
  - a. **CORRECT: megawatt (MW)**
  - b. gigawatt (GW)
  - c. terawatt (TW)
  - d. watt (W)

17. material used to insulate something
- a. consumption
  - b. **CORRECT: insulation**
  - c. LED light
  - d. energy rating
18. a semiconductor device that emits visible light when an electric current passes through it
- a. insulation
  - b. appliance
  - c. **CORRECT: LED light**
  - d. 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
- a. **CORRECT: energy-efficient**
  - b. LED light
  - c. energy rating
  - d. insulation
20. 1000 MW or 1 000 000 000 W
- a. **CORRECT: gigawatt (GW)**
  - b. kilowatt (KW)
  - c. terawatt (TW)
  - d. 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
- a. energy-efficient
  - b. **CORRECT: energy rating**
  - c. insulation
  - d. domestic rate

22. a measure of electrical energy equivalent to a power consumption of one watt for one hour
- a. kilowatt-hour (kWh)
  - b. **CORRECT:** watt-hour (Wh)
  - c. watt (W)
  - d. gigawatt (GW)
23. an organic natural resource which can replenish to overcome usage and consumption, either through biological reproduction or other naturally recurring processes
- a. **CORRECT:** renewable energy
  - b. terawatt (TW)
  - c. megawatt (MW)
  - d. energy rating
24. the price charged per unit of resource consumed in households
- a. energy rating
  - b. off-peak rate
  - c. **CORRECT:** domestic rate
  - d. downlight