Questions and Answers about Renewable Energy

1) What is renewable energy?
   • Energy produced only by the sun
   • Energy produced only by biomass and the wind
   • Energy produced by the wind, water, the sun, biomass

2) Which of the following energy sources is a fossil fuel?
   • Biogas
   • Gas
   • Nuclear

3) Which of the following energy sources emits the largest amount of CO2 (carbon dioxide)?
   • Wind
   • Solar
   • Coal

4) Why don’t we use renewable energy all the time?
   • Because the energy produced by these sources can’t be stored
   • Because the energy produced by these sources can be stored for a short time
   • Because the energy produced by these sources has to be stored in large containers

5) How do solar panels work?
   • The energy produced by the sun is stored in a generator
   • Silicon is used to convert sunlight directly into energy
   • The solar collectors store the energy which is instantaneously delivered to houses

6) How many types of renewable energy are there normally said to be?
   • three: wind, hydro electric power, biomass
   • two: solar, wind
   • seven: solar, wind, hydro electric power, biomass, waves, tidal, geothermal

7) Why is solar sometimes termed the primary renewable energy?
   • Because it is the source of many other types of energy
   • Because it is the only one which can be used instantly
   • Because it can be stored in large quantities

8) Why is renewable energy preferable?
   • Because it has limited environmental impact
   • Because it pollutes the air
   • Because it has no environmental impact
9) After having used a computer, TV, game console or similar, do you switch the power of the screen off?
   - Sometimes
   - Never
   - Always

10) Do you switch off the light when you are the last person to leave a room?
   - Yes
   - No
   - Sometimes

Habits

11) At school you use
   - Energy saving light bulbs  Yes  No
   - Incandescent light bulbs  Yes  No

12) Do your parents look at the energy labels when they are about to buy an electrical appliance?
   - Yes
   - No

12) Rank the following means of transport according to the CO2 emissions:
   - Car (solo driver)
   - Bicycle
   - Carpool (driver & 3-4 passengers)
   - Bus

13) I come to school
   - By car
   - Public transport/school bus
   - On foot/by bike

14) When you wash at home, usually you take:
   - A bath
   - A long shower
   - A short shower, closing the tap while washing yourself

15) While brushing your teeth, washing dishes, etc., you:
   - Let the water run
   - You turn off the tap when not using the water
16) When you go to the supermarket with your family, do you check the origin of the products you buy to estimate their “food miles” (how far they have been transported)?
   • Yes
   • No

17) When buying a product, do you consider the impact of the packaging?
   • Yes
   • No

18) At school, are there facilities for recycling items such as bottles, cans, batteries and paper?
   • Yes
   • No

19) At home, do you recycle items such as bottles, cans, batteries and paper?
   • Yes
   • No

20) Low energy lamps should be disposed of:
   • In waste bins for glass
   • In regular waste bins
   • At shops selling them or at any other dedicated collection system for waste electronic equipment.

21) Do you think that energy saving is important to you?
   • Yes
   • No

22) Have you ever had an opportunity to reduce energy use at home?
   • Yes
   • No

23) Do you practise energy saving techniques at home?
   • Yes
   • No

If yes, tick as many as are relevant to you
   • a) I use energy saving bulbs
   • b) I turn off lights and check that equipment is turned off before I leave
   • c) I use energy saving appliances
   • d) I try to change my daily habits to save energy
   • other things ______________________________________________________________
24) What would motivate you to change your behaviour to reduce the energy use? Tick as many as are relevant to you
• a) Increasing cost of energy
• b) Environmental reasons
• c) Better information through media and social media
• other reasons ____________________________________________

25) Do you have ways of saving energy and resources outside your home, for example at school, at work, at relatives’ homes or at your friends’ homes?
• a) Always
• b) Usually
• c) Sometimes
• d) Rarely
• e) Never