

Mitigating the Impacts of climate change

Carbon footprint



62

The main source of human greenhouse gas emissions is:

A

The felling of forests

B

Vehicular transport

C

The production and use of energy

D

Agriculture

63

Which country is the major emitter of greenhouse gases?

A

USA

B

China

C

Russia

D

Great Britain

64

Which of these energy sources is non-renewable?

A

Tidal energy

B

Biofuel

C

Crude oil

D

Solar energy

65

Which of these energy sources is not a fossil fuel?

A

Uranium

B

Natural gas

C

Peat

D

Coal

66

**Which of these energy sources
is the most used in the world?**

A

Natural gas

B

Crude oil

C

Wood

D

Wind power

67

Which of these energy sources is the most climate-friendly?

A

Coal

B

Natural gas

C

Solar energy

D

Crude oil

68

Which of these energy sources emits the largest amount of greenhouse gases per unit of energy produced?

A

Coal

B

Solar energy

C

Crude oil

D

Natural gas

69

Which of these substances cannot be obtained from crude oil?

A

Glass

B

Rubber

C

Plastic

D

Gas

70

What is the difference between a combined heat and power plant (CHPP) and a thermal power plant (TPP)?

A

A CHPP heats water and a TPP generates electricity

B

A CHPP generates electricity for big cities and a TPP generates electricity for towns and villages

C

A CHPP generates electricity and heat and a TPP only generates electricity

D

A CHPP is a central distribution station, which receives energy from a network of small TPPs

71

What is the main problem with nuclear power plants?

A

They emit more carbon dioxide than other types of power plant

B

They create dangerous radioactive waste, and there is a risk of accidents with disastrous consequences

C

It is hard to find a suitable location for a plant

D

Reserves of nuclear fuel are almost exhausted

72

Offshore wind farms are built:

A

On land, by the coast

B

In the middle of the ocean

C

In the mountains

D

In the sea, not far from the coast

73

Is biomass a renewable source of energy?

A

No, because the remains of ancient organisms from deep inside the Earth's crust cannot be replaced

B

No, because its energy is converted by combustion in to electricity

C

Yes, because energy cannot be destroyed

D

Yes, because plants can grow again

74

In Brazil 1/5 of motor vehicle fuel is produced from:

A

Banana skins

B

Coffee beans

C

Sugar cane

D

Coconut oil

75

Which of these types of power plant does not use the power of water?

A

An hydropower plant

B

A thermal power plant

C

A pumped storage power plant

D

A wave power plant

76

Which of these European countries, known for volcanic activity, produces 1/3 of its electricity from geothermal power plants?

A

Spain

B

Italy

C

Iceland

D

Ireland

77

What share of all the electricity produced in the world comes from renewable sources (including hydropower)?

A

Less than 5%

B

10%

C

15%

D

More than 20%

78

Which country was the first to get 50% of its energy from wind farms?

A

Australia

B

Denmark

C

USA

D

Great Britain

79

Which of these cities would make the greatest use of solar power?

A

Cairo

B

Oslo

C

London

D

Moscow

80

In which country was the first tidal power station built?

A

Japan

B

Great Britain

C

France

D

USA

81

What is the meaning of the 'Class A' label on electric devices produced in the European Union?

A

The devices were produced at energy-efficient factories

B

The devices are safe to use

C

The devices are very powerful

D

The devices use very little energy

82

What does a thermal camera measure?

A

Heat loss from the pipes of residential and public buildings

B

Heat distribution on any surface, such as the walls of a building

C

Carbon dioxide emissions from industrial enterprises

D

The amount of heat used to keep a building warm

83

Which of these actions to maintain the temperature inside a building is not environmentally friendly?

A

Use of electric heaters

B

Use of heat reflectors behind radiators

C

Insulation of the front door

D

Sealing cracks in the window frames

84

Why is it better to use LED bulbs, although they are more expensive than energy-efficient fluorescent bulbs?

A

They have more varied designs, making them suitable for different sorts of lamps

B

They can be disposed of together with general rubbish (they do not require special processing)

C

They do not contain potentially dangerous mercury, they last longer, and they use less energy

D

They are unbreakable, since they are made from particularly strong plastic

85

What is the meaning of 'carbon footprint'?

A

Carbon dioxide emissions from all industrial enterprises

B

Total reserves of carbon in the Earth's forests

C

Total emissions (direct or indirect) of all greenhouse gases by a person, an organization, an event, a product, a city or a country

D

Reserves of carbon that are transformed into carbon dioxide when crude oil and natural gas are burnt to obtain electricity

86

What is CO₂ equivalent used to calculate?

A

Total carbon dioxide emitted into the atmosphere by several similar enterprises or organizations

B

Savings on fuel consumption to heat buildings

C

The amount of CO₂ absorbed by a plant over its life

D

The volume of all greenhouse gases emitted from any activity, expressed in terms of CO₂ for ease of measurement and understanding

87

What is the best way to find out the energy efficiency of a home appliance?

A

Its energy-efficiency label

B

Readings on the electricity meter

C

Life expectancy of the appliance

D

The material the appliance is made of

88

How can a person or a company compensate for their carbon footprint?

A

By choosing new energy-efficient devices

B

By switching off devices and lights when they are not being used

C

By reducing the number of lights

D

By planting trees

89

Which type of transport emits the largest quantity of greenhouse gases?

A

Railway

B

Ship

C

Bicycle

D

Road vehicle

90

What is a carpool?

A

**A new type of vehicle
powered by a solar battery**

B

Taking passengers on car journeys

C

**An environmental standard
for vehicle engines**

D

Special parking for electric vehicles

91

Which of these ways of getting around a city is the most climate-friendly?

A

Public transport, such as buses

B

Private transport with low fuel consumption

C

Bicycle

D

Carpool (several people using one car to get to the same place, for instance to work)

92

An active building is a building where:

A

No energy is used

B

Energy is produced

C

**Everything is managed by a
computer system**

D

The residents are environmental activists

93

In northern countries a passive building is a building which:

A

Does not use energy

B

**Is very well insulated
and loses almost no energy**

C

Does not meet building standards

D

Is not computer controlled

94

Most of the heat loss from a building is through the:

A

Floor

B

Windows

C

Walls

D

Ceiling

95

Which of these types of rubbish takes the longest to decompose?

A

Paper

B

Food waste

C

Plastic

D

Steel

96

What bag should you take shopping to reduce your carbon footprint?

A

Don't take a bag – use a disposable one from the shop

B

Your own plastic bag

C

Your own paper bag

D

Your own canvas or cotton bag

97

Which of these products bought by your family has the smallest carbon footprint?

A

Local products

B

Products brought from some other region of your country

C

Products brought from neighbouring countries

D

Exotic products from distant countries

98

Which of these will make a saucepan energy efficient?

A

The saucepan bottom should be concave

B

The top should be on

C

The bottom should be smaller than the burner

D

The saucepan should always be open

99

**Which country was the first
to build an active house?**

A

China

B

Denmark

C

Spain

D

USA

100

**In which country was
the Kyoto Protocol signed?**

A

USA

B

Japan

C

Germany

D

France

Climate Quiz

Answers



Climate Quiz Answers

62. C	69. A	76. C	43. A	83. A	90. B	97. A
63. B	70. C	77. D	44. C	84. C	91. C	98. B
64. C	71. B	78. B	45. D	85. C	92. B	99. B
65. A	72. D	79. A	46. A	86. D	93. B	100. B
66. B	73. D	80. C	47. A	87. A	94. B	
67. C	74. C	81. D	48. A	88. D	95. C	
68. A	75. B	82. B	49. A	89. D	96. D	