

Sustainability Hex Game - Level 2

A game for two to four players or teams of players. The activity is best suited to paired and small group work. This game covers general sustainability issues at level 2.

Object of the game

Learners are given the task of matching the correct answers to the correct questions. Once they have achieved this, the triangles together will represent a hexagon shape, with the outside of the hexagon not having any questions or answers on it.

Level

Level 2

What is included

1. A template of the activity; the triangles need to be cut out to give you a set of 24 triangles.
2. Tutor's answers.

Additional Requirements

1. None

Rules of the Game

Players take turns to see if they can match an answer to a question, in the same manner as dominoes. The matched questions and answers will form a hexagon shape. The outside of the hexagon will be a blank side of the triangle.

Notes

Some of the statements may sound controversial or simplistic and are intended to stimulate debate.

The game can be personalised to decide how long a player can take to answer a question.

This game can be played in teams, where the question is discussed and players take it in turns to give the answer decided on.

In a large class of students more than one game can take place at a time.



Tutor's Answers

1	Term used to describe the wide range of life forms on the planet.	Bio-diversity
2	Which is the most commonly used fossil fuel for heating systems in the UK?	Gas
3	Define the term renewable energy.	Energy which can be replaced rapidly by natural processes
4	'Ability to meet the needs of the of the present without compromising the needs of the future'	Definition of Sustainable Development
5	A strong greenhouse gas associated with cows and paddy fields.	Methane ('natural gas')
6	The UK Government has made a commitment that by 2050 carbon dioxide emissions will be reduced by how much?	50%
7	The key crucial areas of Sustainable Development.	Environment, Society & Economy
8	How many 'earths' would be required if everybody was to live like we do in the west.	3
9	Using much more than required.	Excessive Consumption
10	What are Photovoltaic panels used to produce?	Electricity
11	Recycled paper in the UK provides up to how much of the raw material used in newspapers?	75%
12	Energy efficient light bulbs save how much energy in comparison to normal bulbs?	70 - 80%
13	A measure of the impact we have on the environment.	Eco-Footprint
14	Acid rain is caused by which gas mixing with clouds to form a mild type of acid?	Sulphur dioxide
15	Products or services produced or provided by the neighbouring community.	Local
16	Essential elements for life on earth.	Air, Soil & Water
17	The main natural resources used by people.	Minerals, Animals, Vegetables and Renewable Energy
18	Environmental issues such as pollution, energy & water wastage, deforestation and waste management are the responsibility of whom?	Everyone
19	How fast is the Arctic warming up compared to the rest of the planet?	Twice as fast
20	United Nations climate change scientists have said that by the end of the century the Earth's average temperature could rise by?	2 – 6°C
21	Does importing goods by air use the same amount of energy as by sea?	No
22	Recycling one aluminium can saves enough energy to run a TV for how many hours?	3
23	A typical bath uses 80 litres of water; a non power shower uses how many litres per minute?	5
24	Repairing a dripping tap saves (on average) how many litres of water per day?	13
25	How many kilograms of carbon dioxide does the average car produce per mile it travels?	0.3
26	How many food miles does Argentinean beef travel to get to European consumers?	6900
27	The average UK household creates how many tonnes of carbon dioxide every year?	6
28	When something is restored to good working order.	Re-conditioned
29	Suitable for recycling.	Aluminium, Paper and Glass
30	Basic institutions for a sustainable community.	Education, Health, Work & Leisure