

Climate Change - Word Loop

Teacher's Notes

Summary	This is a whole-class 'game' to help reinforce the concepts and ideas covered and to help familiarise pupils with the terminology of Global Warming and Climate Change
Preparation Activity	The 32 statements / questions should be printed out, preferably onto card, prior to cutting into individual cards For extra durability, the printed A4 sheets could be laminated before cutting
Activity	The cards are shuffled and 'dealt' out to the pupils randomly. This could be to each child individually, or they could be divided into groups or teams Note: All the cards need to be used, so if children do this individually, some pupils may end up with more than one card each One pupil is chosen to begin the exercise, and reads out aloud their ' <i>I have ..</i> ' statement, followed by their ' <i>Who has ..</i> ' statement The child who has the word or phrase corresponding to that question then reads out his/her ' <i>I have .. / Who has ..</i> ' statements, and so on... If the pupils have answered all questions correctly, then the game should go 'full loop' and end up with the pupil who started
Teacher Info	It is recommended that the teacher keeps at hand a copy of the original sheets of statements (questions and answers) so that he/she can monitor the exercise and interject if the pupils go wrong and answer the questions out of sequence. As an extra challenge, the class can be timed. The cards are then reshuffled and dealt again and the pupils are challenged to complete the loop in a faster time. This exercise can be done more than once, as children will receive different cards after each shuffle.
Timing	20-30mins – really depends on how many times you do the loop!
Resources	Word loop cards
Curriculum links	Science, Literacy
Differentiation	By choice of definitions given to some children

Word-Loop Cards

I have
GLOBAL WARMING
who has
the most common Greenhouse Gas, produced by burning fossil fuels?

I have
LOCAL PRODUCE
who has
fuels produced over millions of years from the remains of dead plants and animals?

I have
CARBON DIOXIDE
who has
a way to reduce the heat lost through your windows?

I have
FOSSIL FUELS
who has
another word for a change in the global weather brought about by Global Warming?

I have
DOUBLE GLAZING
who has
the word to describe an area of land that is hot and dry (it's the opposite of humid)?

I have
CLIMATE CHANGE
who has
a word to describe the type of hot, dry habitats spreading in size due to Global Warming?

I have
ARID
who has
words to describe food grown close to where you live?

I have
DESERTS
who has
a more energy-efficient way of transporting large numbers of people instead of using cars?

Word-Loop Cards

I have
PUBLIC TRANSPORT
who has
the original source of nearly all
our energy?

I have
BANGLADESH
who has
a gas produced by burning fuels
(other than carbon dioxide)?

I have
THE SUN
who has
the words used when food is
available naturally at a particular
time of year?

I have
WATER VAPOUR
who has
a way to prevent heat loss
through your walls and roof?

I have
IN SEASON
who has
something that, on average, will
increase around the world as a
result of Global Warming?

I have
INSULATION
who has
a word to describe an energy
resource, such as fossil fuels,
which will one day run out?

I have
TEMPERATURE
who has
a country likely to be effected by
flooding as a result of Global
Warming?

I have
NON-RENEWABLE
who has
a type of environmentally-friendly
transport that can also improve
your health and fitness?

Word-Loop Cards

I have
CYCLING
who has
important 'sinks' for carbon
dioxide which are being cut down?

I have
METHANE
who has
the words describing the effect
of a layer of gases holding in heat
in our atmosphere?

I have
FORESTS
who has
a country likely to be effected by
the spread of deserts as a result
of Global Warming?

I have
THE GREENHOUSE EFFECT
who has
a massive 'sink' for carbon
dioxide, which lives in the oceans?

I have
SUDAN
who has
another form of renewable
energy, such as wind and waves?

I have
PLANT PLANKTON
who has
a country that, despite global
warming, will probably have
harsher winters?

I have
SOLAR POWER
who has
a greenhouse gas produced from,
amongst other things, cows'
bottoms!?

I have
PERU
who has
something that happened in the
19th century, resulting in a rise in
carbon dioxide levels?

Word-Loop Cards

I have
THE INDUSTRIAL REVOLUTION
who has
a unit of measurement used to
measure temperature?

I have
ENERGY-EFFICIENT BULBS
who has
a country, 11,000 miles away,
from where we get a lot of the
lamb we eat?

I have
DEGREES CELSIUS
who has
a fossil fuel, other than natural
gas or crude oil?

I have
NEW ZEALAND
who has
a word to describe a long period
without rain ... and so usually a
long period without food too?

I have
COAL
who has
the word to describe sources of
energy that will never run out?

I have
DROUGHT
who has
a gas that is needed for a fossil
fuel to burn?

I have
RENEWABLE
who has
something that can be easily
fitted at home to reduce the
amount of energy used?

I have
OXYGEN
who has
the effect on the Earth's
temperature caused by the
Greenhouse Effect?