In 1730's this scientist created the binomial system of naming organisms	**START:** Genetic variation	Small differences between the genomes of individuals in a species	Alfred Russel Wallace
This scientist had ideas about evolution which supported Darwin's theories	natural selection	The process which brings about evolution	bacterial plasmid
A vector in the process of genetic engineering	transgenic	An organism with genes from another species in its DNA	restriction and ligase enzymes
Used to cut and rejoin genetic material during genetic engineering	Charles Darwin	He experimented with pigeon breeding to provide evidence for his theories	selective breeding
Breeding plants or animals to produce offspring with desired characteristics	competition	This occurs between species and can result in extinction	extinction
The death of all individuals in a species	gene theory	The idea that genes are responsible for passing on different characteristics	genus
The category above species in classification	*Homo sapiens*	The binomial name of the human species	evolutionary tree
Diagram showing how different species might be related	adult cell cloning	Nucleus from adult body cell is inserted into empty egg cell	tissue-culture

A method used to clone large numbers of plants	MRSA	An antibiotic - resistant strain of bacteria	species
Individuals in this group can breed together and produce fertile offspring	mass extinction	Can be caused by a single catastrophic event	fossils
These fascinating relics provide evidence for the process of evolution	domains	These come above Kingdoms in the modern system of classification	genetic engineering
Involves inserting new genes into the DNA of another organism	evolution	The result of natural selection	Jean-Baptiste Lamarck
Suggested an alternative method of evolutionary change	archaea	The first group in the 3-domain system of classification	embryo cloning
Identical embryo cells are transplanted into surrogate mothers	classification	Arranging things into a series of groups	key
A chart or diagram which helps us identify living things	theory of evolution by natural selection	This was described by Charles Darwin in his book 'On the Origin of Species'	binomial system
System of two-part names given to all living things	speciation	When new species form through isolation and natural selection	Carl Linnaeus

Teaching notes

There are 32 cards, allowing it to be used with a whole class. The activity could also be done individually, in pairs or in small groups to produce a complete ordered set of cards.