



A Case for the Countryside

Science

Glossary

SCIENCE 1 - POWER GAMES - Student Activity Sheet

ACREAGE Size of farm measured in acres (a unit for measuring area, equal to 4047 sq metres or 4840 sq yds)
MILLING Grain is crushed into flour

SCIENCE 7- A WOOLLY QUESTION - Student Activity Sheet

CRIMP The natural waviness of the fibre

SCIENCE 8- DESIGNER COW - Student Activity Sheet

SUCKLER HERD Beef cattle where the cow suckles its own calf
UDDER Milk secreting organ

SCIENCE 8- DESIGNER COW - Student Information Sheet

POLLED Hornless
PROGENY Offspring
DOUBLE MUSCLING Very large muscle development on rear quarters
HERBAGE Grazing land
STOCKING RATE Number of cows in a defined area
PURE BRED Bred from parents of the same breed
CROSS BRED Bred from parents of different breeds
FORAGE Food for cattle

SCIENCE 9 - QUESTION A BULL - Student Activity Sheet

SIRE Impregnated
DAM Mother
PATERNITY Proof of fatherhood
SIRE Father
PARENTAGE The fact of who their parents are
PUTATIVE Supposed, reputed

SCIENCE 12- BACK TO THE FUTURE - Student Activity Sheet

BIODIVERSITY The "multi-word" biodiversity means the overall diversity of our native ecosystems and species. It comes from the words "biological" meaning anything that has life and "diversity" meaning the number of different types of things.
SUSTAINABILITY Ability to be continued

SCIENCE 13 - TIMESCALE DETECTIVES - Student Information Sheet

ALEVIN	Newly hatched fish with yolk-sac still attached
FRY	Stage after alevin when the fish become free-swimming
FINGERLING	Stage after fry - once the fry reaches 50mm-80mm long
LARVAE	A form of insect that has left its egg but is not yet completely developed e.g. the larval form of a fly is a maggot
NYMPHS	Insect nymphs look quite similar to the adults, but are smaller and lack wings. Insect nymphs feed, and grow, and molt several times.
REDD	Hollow trench that female creates to lay eggs
YOLK-SAC	Sack attached to a newly hatched fish containing a balanced diet for its early growth.
PARR	Stage after fingerling - fish grow to 10cm-15cm
BURN	Stream
LOCHS	Lakes
SMOLTS	Parr ready to migrate towards the sea
GRILSE	Young salmon that has only spent 1 year in salt water. (If it has spent 2 or more years in salt water it is a salmon).
KELT	Spawned out salmon
SPAWNING	Egg laying
FISH LADDERS	Ladder to assist salmon on their journey back up river. For pictures - http://www.stanford.edu/group/water/fishladder.html
KYPE	Hook on lower jaw of male salmon
MILT	Salmon sperm
PHEROMONES	A chemical substance that animals release
PAPILLAE	Nipple like projections
PLATELETS	Very small cells
DERMIS	True skin
EPIDERMIS	Softer external layer of skin
HYALO-DENTINE	Like shiny covering on human teeth
CALCAREOUS	Containing calcium carbonate or limestone
CIRCULI	Ring of new material growth of scale
ANNULUS	Dark ring on fish scale - depicting number of winters the fish has been through
LASER ABLATION	The interaction of laser pulses with organic matter leading to massive material removal (ablation) from a target
PLANKTON	Very small plants and animals which float on the surface of the sea and on which other sea animals feed.
CAPELIN	Small silvery fish providing a vital link in the food chain between plankton and larger animals.
COBLE	Kind of fishing boat
FIXED ENGINE	Fixed traps, nets or weirs.

SCIENCE 14- SOMETHING TO GROUSE ABOUT - Student Activity Sheet

BRACKEN	A large fern type of plant that grows thickly in open areas of countryside, esp. on hills, and in woods. Bracken is poisonous and is not grazed by animals such as sheep and rabbits.
SUSTAINABLE	If something is sustainable, it is able to be continued in its present form.

SCIENCE 14- SOMETHING TO GROUSE ABOUT - Student Information Sheet

PEAT	A dark brown earth-like substance which was formed by plants dying and becoming buried.
HEATH	An area of land that is not farmed, where grass and other small plants grow, but where there are few trees or bushes.
AFFORESTATION	An area of land on which trees are planted to make a forest
LEKKING	Male Grouse collective courtship display
LEK	Location of courtship display
HERBAGE	Grazing land
TURBARY	Digging of peat as a fuel for domestic use
TICKS	A very small creature like an insect which lives on and sucks the blood of other animals
AERIAL SPRAYING	Spraying from the air

SCIENCE 15- BONEHEAD - Student Activity Sheet

STALKERS	Person who follows an animal as closely as possible without being seen or heard
CULL	The killing of animals, especially the weaker members of a group, in order to reduce or limit the number of them.
CARCASSES	Bodies
BROWSING	Feeding on bushes and trees.
ROYAL	Stag with 12 points on its antlers. Its points are described as brow tine (branch) at base of antler, bay and tray tine further up and the top may branch out into three or more separate spikes.

SCIENCE 15- BONEHEAD - Student Information Sheet

STAGS	Adult male deer
HINDS	Female deer, esp. a red deer more than three years old
KNOBS	Round lumps on the surface of antlers
PEDICLE	Permanent projection on the frontal bone of the stag's skull
BROW-TINE	Point that branches out at the base of the antler