

genetics study of how traits of characteristics are passed from parent to offspring

genotype allele combination of offspring

Geographic Information System software used to transfer GPS data into a usable format

geospatial technologies such as GPS, GIS, and remote sensing

geothermal energy energy created by the release of steam produced deep into the earth

gibberellins plant growth hormone that stimulates cells to elongate

Global Positioning System satellite system maintained by the U.S. government; satellites send one-way radio signals to receivers on the ground; GPS

gravitropism plant's response to gravity; geotropism

greenbelt undeveloped or agricultural land that surrounds an urban area to provide a habitat for wildlife

gross income amount of money a person makes before deductions are subtracted

growth regulators hormones that increase growth rates and feed efficiency

guard cells open and close stomata allowing water to escape on cool days and conserve water on hot days

H

heredity passing of characteristics from one generation to another

heritability probability that characteristics or traits will be passed from parent to offspring

heterozygous one dominant and one recessive allele; different

home mortgage settlement in which the title to the home is pledged as security for a loan or some other obligation

homozygous alleles are either both dominant or recessive; same

horizontal distance distance between two points

horizontal weld welding position in which the electrode is moved across a vertical piece of metal

hormones chemical messengers created by a living organism that control growth

hybrid offspring of a cross between two plant varieties

hybridization crossing of two plants of different varieties

hydropower energy created by stopping water by dams and releasing it through turbines

I

imperfect flower flower that lacks either stamens or a pistil

implant gun device used to deposit growth stimulant pellets in the back side of an animal's ear

income tax tax paid according to the amount a person makes; state and federal

incomplete dominance occurs when neither gene is totally dominant over the other

incomplete flower flower missing at least one of four main parts, sepals, petals, stamens or pistil

increasers plants that tend to do well in grazing areas; decline overtime due to hoof damage and grazing

inert term to describe an element that does not readily interact with other elements; inactive

informative presentation designed to provide the audience with new information about a topic of common interest

injection liquid medication administered directly into the muscle, tissue, bloodstream or body cavity of an animals; shot

inorganic soil amendments that are mined or man-made

internal parasites parasites that spend part of their life cycle inside the animal's body

internodes segments on a stem between nodes

introduction beginning of a presentation; most important element of a presentation

invaders plants that are avoided by animals because they are not an appealing food source

investing process of placing money into routes such as stocks, bonds, mutual funds, or real estate in which money can be made in return

irradiation exposure of food to low levels of radiation

J

job anything done to earn income to pay for basic needs

joint location where the metal is joined together

K

kerf slit in metal as a result from oxy-gas cutting

L

lactation process of producing milk

lap joint joint used to fasten two overlapping surfaces

law of independent assortment principle which states that genes for certain traits are inherited independently from each other

law of segregation principle which states that each parent provides one of the two alleles or genes for each trait

leaf petiole attaches the leaf blade to the plant stem

legal land description written statement recognized by law as the definite location of a tract of land by reference to a survey, recorded map, adjoining property, or recorded monument

lenticels pores that allow the exchange of gasses between the plant and environment

M

macrominerals minerals needed in larger amounts by the body

macronutrients nutrients needed in higher quantities by plants

maintenance nutrition required for an animal to maintain its current weight

marbling amount of internal fat in meat

maturity meat quality evaluated by examining the characteristics of the skeleton and meat that indicate the approximate age of the animal

meat skeletal muscle of animal carcasses

metamorphosis term for the life cycle of an insect

microminerals minerals needed in smaller amounts by the body

micronutrients nutrients needed in smaller quantities by plants

monoecious plant that has both male and female flowers on the same plant

monogastrics animals with relatively small, simple, one-compartment stomach; nonruminant

monohybrid offspring of a cross between two varieties differing by one trait

mutual funds pool of investments such as stocks, bonds, and other assets in which an investor buys shares

N

natural resource material that occurs naturally and is used for food, energy, or in any other way to meet human needs

net income actual take-home pay an individual makes after deductions

nodes location on a stem where buds or leaves form

non-renewable natural resources that cannot be replaced or replenished within a lifetime