

Name: _____

Animal Care

Animal Diseases

Task Outline

Produce 3 information sheets on a common viral (Canine distemper), a common bacterial (Tuberculosis) and a common metabolic (Hyperthyroidism) disease.

They should include signs, prevention and treatments.

They need to include pictures to make it attractive as well as informative. It should be aimed at display in a Veterinary Surgery for view by owners.

Definitions:

Pathogens: An agent that causes disease, especially a living microorganism such as a bacterium, virus, or fungus.

Viral Disease: (Canine distemper): Viral diseases are extremely widespread infections caused by viruses, a type of microorganism. They are only able to replicate within a living host cell. There are many types of viruses that cause a wide variety of viral diseases

Bacterial Disease: (Tuberculosis): Bacteria (one of them is a bacterium) are very small organisms. Almost all bacteria are so tiny they can only be seen through a microscope. Bacteria are made up of one cell, so they are a kind of unicellular organism.

Bacterial cells are much smaller than plant or animal cells.

Using electron microscopes we now know that bacteria have a cell wall. This is similar to a plant cell wall but is more flexible. Bacteria do not have a nucleus.

Metabolic Diseases: (Hyperthyroidism): Metabolism is the chemical processes that take place in the cells and the fluids of the body. This includes the absorption of nutrients and minerals and the production of energy from these chemical reactions. Virtually every chemical step of metabolism is catalyzed by an enzyme. Disorders of these enzymes that result from abnormalities in their genes are known as inborn errors of metabolism.

Send back to: maddie.king@lambourne-end.org.uk