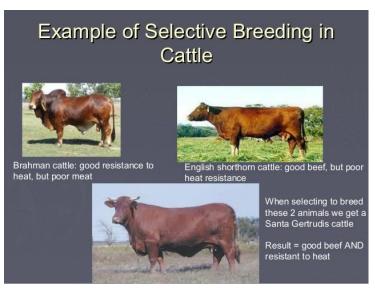


Artificial vs natural selection

Artificial selection is also known as **selective breeding**.

It is a human process in which humans breed animals and plants for particular **characteristics**.



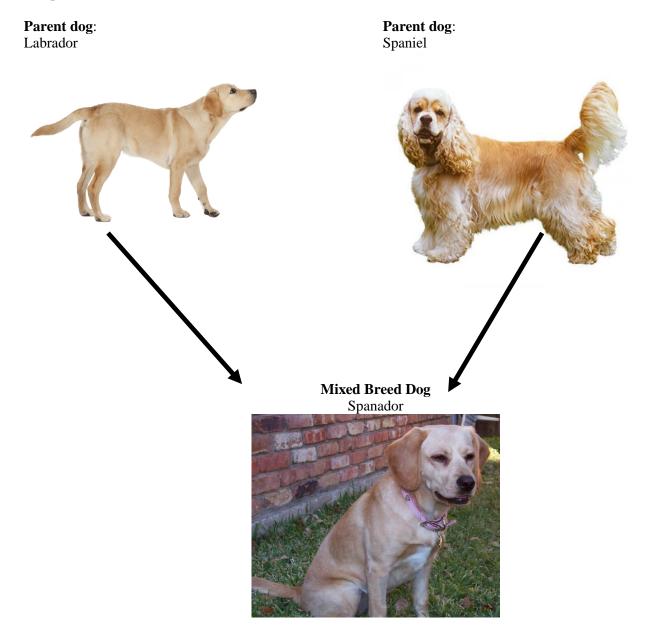


Look carefully at images of mixed-breed dogs and their parents. Can you identify the characteristics they have **inherited** from their parents?

Draw a diagram to explain the dog's family tree, with notes about the characteristics they have inherited and those they have not. CHOOSE AT LEAST TWO CROSS BREEDS.

Remember, characteristics could be both **physical** and **behavioural**.

Example:



To find out about breed characteristics:

 $\underline{http://www.thekennelclub.org.uk/services/public/breed/Default.aspx}$

https://www.pets4homes.co.uk/dog-breeds/

https://www.dogbreedinfo.com/a-z.htm

Further Reading:

- 1) What information can you find out about selective breeding in other plants and animals? https://www.slideshare.net/hannahreed/selective-breeding-powerpoint https://sites.google.com/site/selectivebreedingofplants/
- 2) Do you think creating 'artificial evolution' is the right thing to do? https://biologyselectivebreeding.weebly.com/benefits-and-risks.html