



Rosary School – Marj Elhamam

Name: Answers

Date: ___ / ___ / 2025

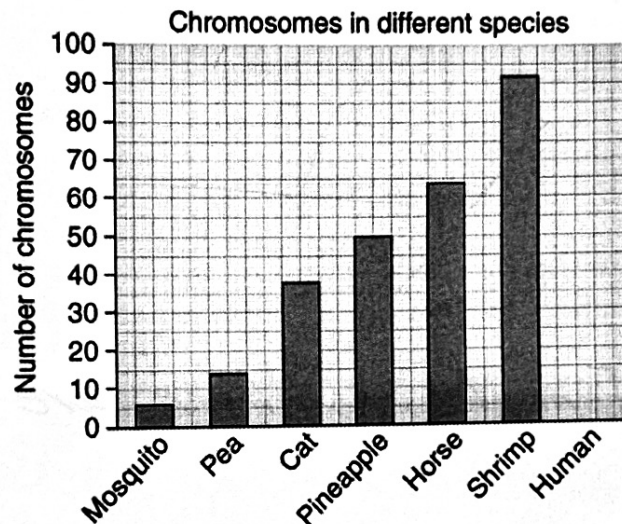
Grade: 8 (A, B, C, D)

Biology Worksheet(1)

Achievement Test Questions

Question one:

Look at the bar chart.



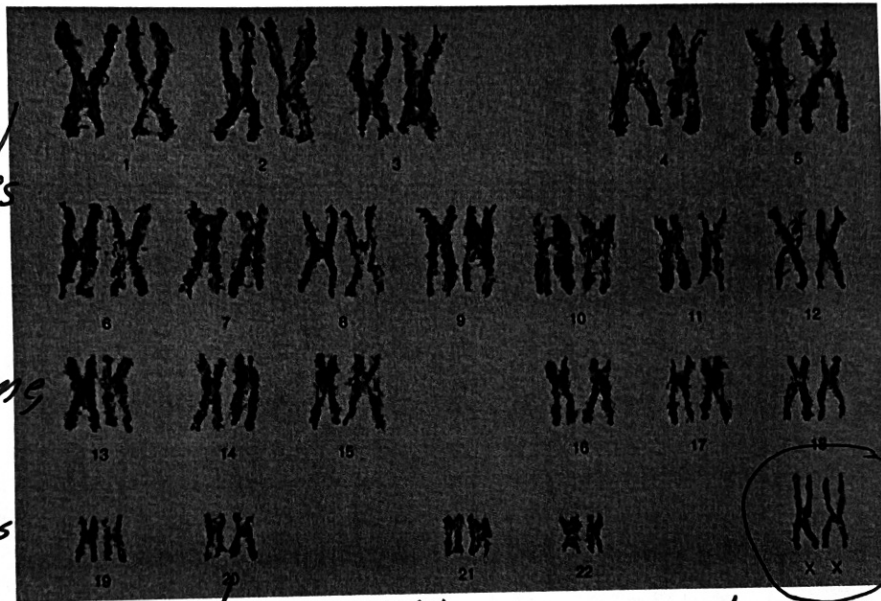
- a) How many chromosomes does a cat body cell have? 38.
- b) Which species has 64 chromosomes in its body cells? Horse.
- c) On the chart, fill in the missing bar for humans.
- d) Why is the total number of chromosomes in each species an even number?
Because the cells have two copies of each type of chromosome (one from male gamete & one from female gamete).
- e) Do you think there is a relationship between the size of an organism and the number of chromosomes in its body cells? Explain your answer.
No, Shrimps for example are much smaller than cats but have many more chromosomes.
- f) What do genes contain instructions for?
Inherited variation.

Question two:

What gender is the person whose chromosomes are shown in the photo below?
Explain your answer.

Note:-

Male gametes have either an X or a Y sex chromosome while female gametes always have an X sex chromosome.



pair no. 23

Female, as there are two X sex chromosomes.

Question Three :

Which of these is an abiotic factor that could affect the yield of tomatoes grown in a greenhouse?

physical factor.

- ☐ A the colour of the tomatoes
- ☐ B the shape of the tomatoes
- ☒ C the temperature of the greenhouse
- ☐ D the presence of greenfly in the greenhouse