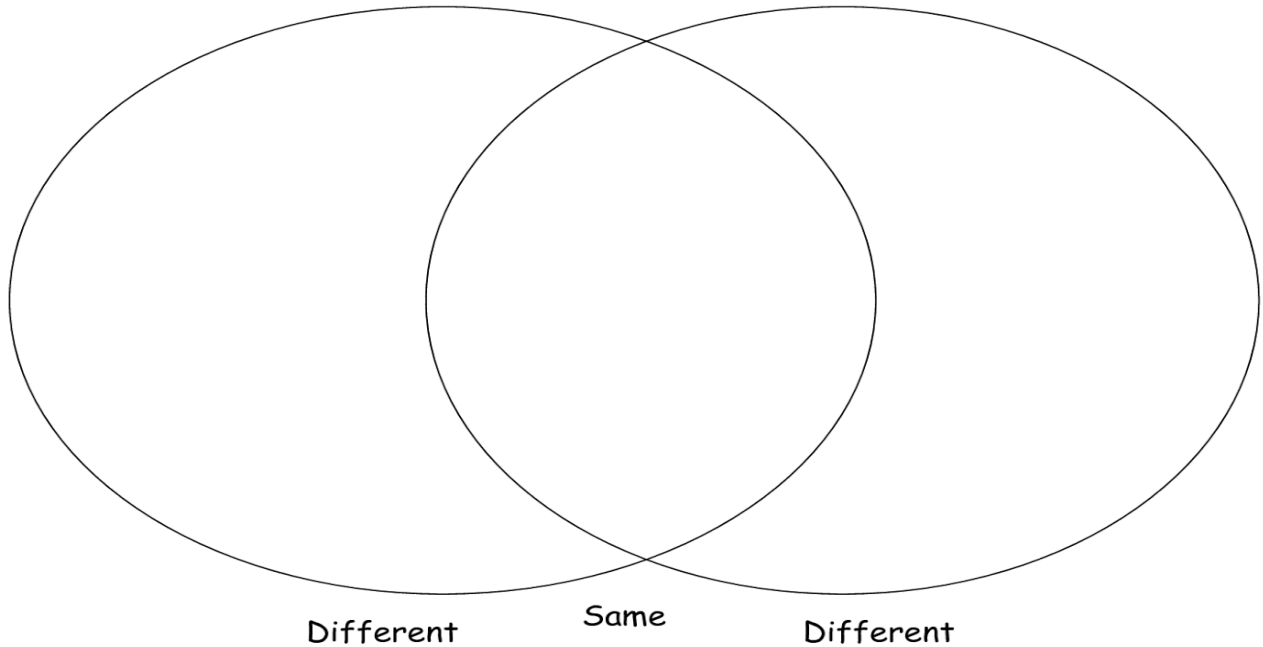


## GCS Grade 7 Science Unit D Study Guide Asexual and Sexual Reproduction

Create a Venn Diagram comparing and contrasting Asexual and Sexual Reproduction. Include the process of cell division and their phases, the number of parent cells involved, the number of daughter cells produced, and the genetic outcome of the daughter cells.

### Venn Diagram Comparing and Contrasting



What are three types of Asexual reproduction?

How many chromosomes are contained in gametes (compared to the normal number of chromosomes)?

What is fertilization?

What is budding?

Describe regeneration.

Who was Gregor Mendel?

What accounts for the diversity of species over time?

|   |   |   |
|---|---|---|
|   | P | P |
| p |   |   |
| p |   |   |

The Punnett square above shows a cross between a purple flower and a white flower. What percentage of offspring from this cross will have the genotype pp?

From a cross between a short haired guinea pig (hh) and a long haired guinea pig (HH), what would be the possible phenotypes of the offspring? Draw a punnett square to support your answer.