

How do organisms

reproduce?

1) Variations that confer an advantage to an individual organism only will survive in a population. Justus.

The great advantage of variation to a species is that it increases the chances of its survival in changing environment. For example, the accumulation of heat resistant variation in some bacteria will ensure its survival even when the temperature in its environment rises too much due to a heat wave. On the other hand, the bacteria which did not have this variation withstood heat would not survive.

2) Illustrate the following with the

help of suitable diagrams:

Next page

- 3) What is reproduction? What are its two types? Which one of the two confers new characteristics on the offspring, and how?

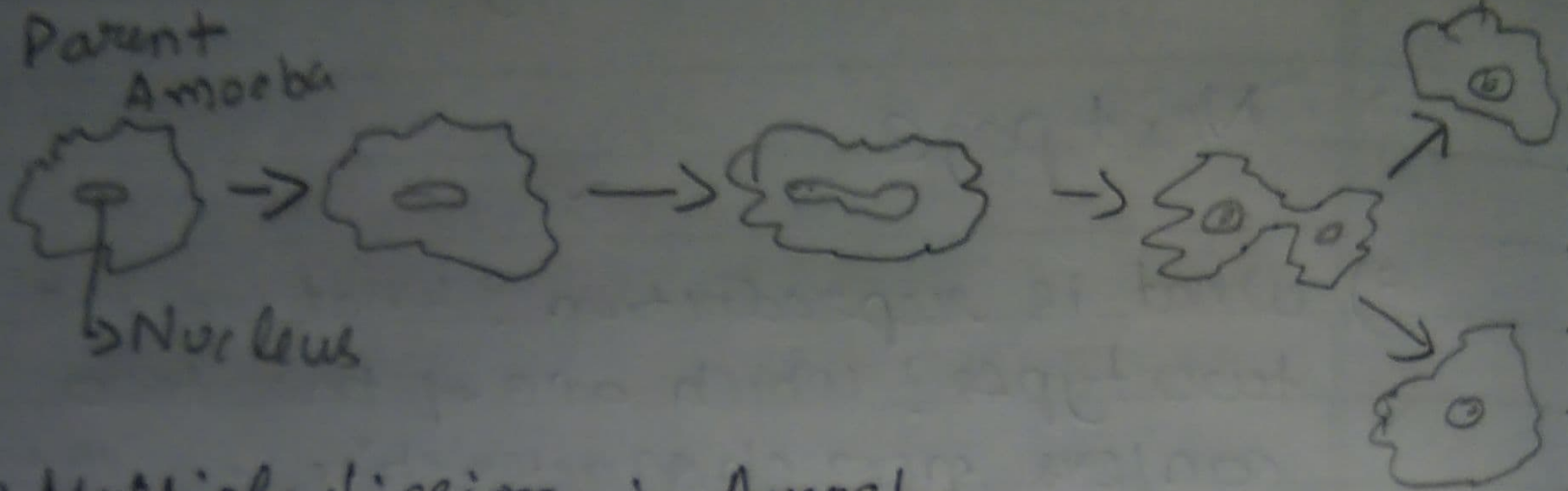
Reproduction is the process of producing new individuals of the same species.

Two types of reproduction :-

- i) Asexual reproduction
- ii) Sexual reproduction

Sexual reproduction confers new new characteristics on the offspring

i) Binary fission in Amoeba



ii) Multiple fission in Amoeba

