

Asexual Reproduction Quiz 55

1) Explain briefly what is meant by mitosis.

2) What is replication?

3) There are six steps to mitosis. Put the order number in the space provided.

membrane forms around each chromosome ()

chromosome condenses ()

parent cell splits into two daughter cells ()

chromatin (DNA) replicates ()

chromosomes move to opposite sides of the cell ()

nuclear membrane disappears/chromosome splits ()

4)a) What is asexual reproduction?

b) In this type of reproduction, the offspring are like the parent. Explain why.

5) Matching (put a letter in the space provided)

a) yeast cells reproduce this way regeneration ()

b) trees can be propagated this way eye ()

c) strawberry plants propagate this way grafting ()

d) a starfish can grow a new arm budding ()

e) a part of a potato which can make new potatoes fission ()

f) bacteria reproduce this way runners ()

Answers: 1) A parent cell reproduces itself by splitting into two identical daughter cells., 2) The DNA molecule makes a copy of itself., 3) 5, 2, 6, 1, 4, 3., 4)a) It is reproduction which requires only one parent., b) The DNA is the same., 5) d, e, b, a, f, c.