

Full Higher Separate content. ★ = Higher Tier. ◆ = Separate Science only.

Q1. Compare sexual and asexual reproduction in terms of parents, cell division and genetic outcome.

[3 marks]

Q2. Give ONE advantage of sexual reproduction and ONE advantage of asexual reproduction.

[2 marks]

Total: 5 marks

Q1 (3 marks)

Compare sexual and asexual reproduction in terms of parents, cell division and genetic out...

- Sexual: 2 parents, meiosis, genetically varied offspring [1]
- Asexual: 1 parent, mitosis, genetically identical offspring (clones) [1]
- Sexual produces variation for natural selection; asexual is faster/more efficient [1]

Q2 (2 marks)

Give ONE advantage of sexual reproduction and ONE advantage of asexual reproduction.

- Sexual: genetic variation → better adaptation to changing environments [1]
- Asexual: faster, no need for mate, all offspring can reproduce [1]