

MINISTRY OF EDUCATION, HERITAGE AND ARTS

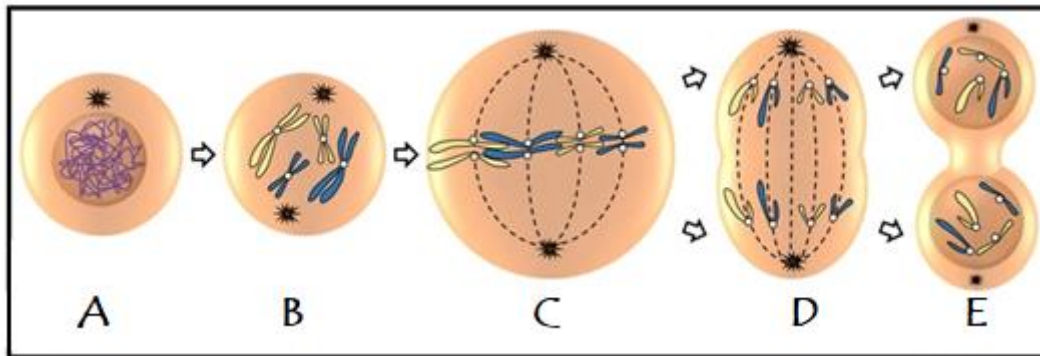
YEAR 11 BIOLOGY

REVISION WORKSHEET 4

Write the answers to the following questions in your exercise/activity books.

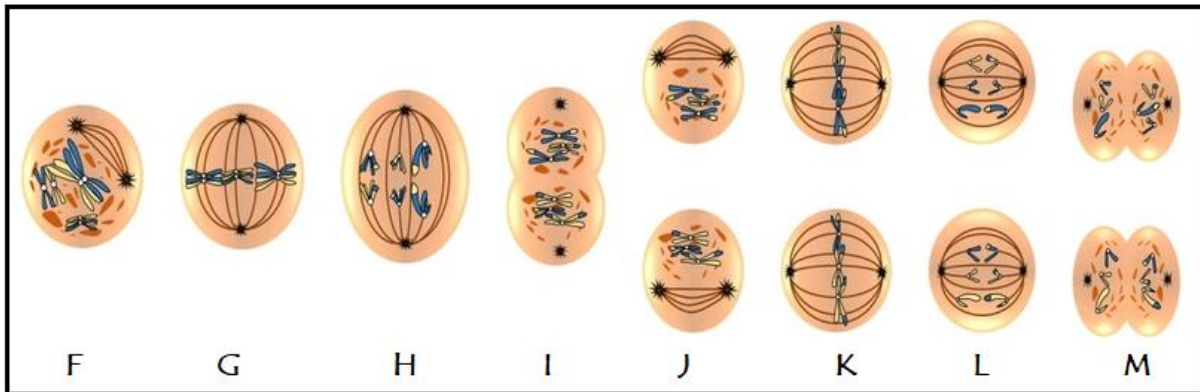
Cell Division

- Using 150 words, compare and contrast the two types of cell division processes, mitosis and meiosis. **(10 marks)**
- Study the diagrams given below and use them to answer the questions that follow.



Source: <https://www.shutterstock.com/search/mitosis>

- Name the type of cell division process shown above. **(1 mark)**
- Name the Stages A – E in the diagram. **(5 marks)**
- Describe what is happening to the chromosomes in stages C and D. **(4 marks)**
- Explain the significance of this process shown above. **(2 marks)**



Source: <https://www.shutterstock.com/search/meiosis>

- Name the type of cell division shown in the diagram above. **(1 mark)**
- Name the stages F to M. **(4 marks)**
- Identify which stage the process of **crossing over\*** is likely to occur. State the significance of crossing over. **(2 marks)**
- Explain the significance of this cell division process. **(2 marks)**

\*may need to research on crossing over

**The End**