

Standard Grade Biology

Animal Survival

2. Reproduction

Checklist Grade

At the end of this topic you should be able to:

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|---|--------------------------|---------|
| (a) describe the main features of sperms and eggs. | <input type="checkbox"/> | General |
| (b) state that in some fish, sperm are deposited in water adjacent to the eggs and that in mammals, sperm are deposited in the body of the female. | <input type="checkbox"/> | General |
| (c) state that sperm are attracted to egg cells. | <input type="checkbox"/> | General |
| (d) state that fertilisation involves fusion of the nuclei of sperm and egg. | <input type="checkbox"/> | General |
| (e) explain the importance of internal fertilisation to land living animals. | <input type="checkbox"/> | Credit |
| (f) describe the process of fertilisation and subsequent first steps in cell division. | <input type="checkbox"/> | Credit |
| (g) state that sperm cells are produced in testes. | <input type="checkbox"/> | General |
| (h) state that eggs are produced in ovaries and released into oviducts where fertilisation occurs. | <input type="checkbox"/> | General |
| (i) state that in fish, eggs are protected by flexible coverings and that embryos obtain food from the enclosed yolk. | <input type="checkbox"/> | General |
| (j) describe how the fertilised egg passes down the oviduct and attaches to uterus wall, develops in a fluid of the amniotic sac and gets food from maternal circulation. | <input type="checkbox"/> | General |
| (k) explain how the probability of successful development of zygotes in fish and mammals is related to numbers of eggs produced and degree of protection. | <input type="checkbox"/> | Credit |
| (l) describe the structure and function of the placenta. | <input type="checkbox"/> | Credit |
| (m) state that in fish, like trout, the young emerge from the eggs able to maintain themselves. | <input type="checkbox"/> | General |
| (n) state that at birth, young mammals are dependant on adults for care and protection. | <input type="checkbox"/> | General |

Homework

End of Topic Test