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Gametogenesis and Fertilisation Crossword Puzzle

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| **Across**  **2.** The process of fertilisation of the female gamete by the male gamete inside the body of the mother  **3.** Fertilisation of an egg by more than one sperm  **8.** The formation of sperm in the testes  **15.** The male nucleus in a plant that will fuse with the female nucleus  **17.** A layer of protective jelly around the unfertilised ovum  **18.** The formation of gametes by meiosis in the sex organs  **19.** The process of fertilisation where the male and female nuclei meet and fuse in the environment, outside the parent body  **20.** The process that occurs in plants when one nucleus fuses with two polar nuclei to form endosperm, while the other forms a diploid zygote  **21.** A pad of special tissue that attaches the ovule to the ovary wall  **22.** The diploid generation of plants that produces spores by mitosis | **Down**  **1.** Cells that divide by meiosis to ultimately form the sperm and ova  **4.** The haploid generation of plants that produces gametes by meiosis  **5.** The diploid main body of a plant  **6.** The tough layer that forms around the fertilised ovum to prevent more sperm from entering  **7.** The formation of ova in the ovaries  **9.** The region at the head of the sperm containing enzymes that break down the protective layers around the ovum  **10.** The male nucleus that controls the production of the pollen tube in fertilisation  **11.** Parts of the plant where pollen grains develop  **12.** Fertilisation of the ovum in humans  **13.** The transfer of pollen from the anther to the stigma  **14.** The process by which a pollen tube starts to grow out of the pollen grain to transfer male nuclei to the ovule  **16.** A tube that grows out of the pollen grain, down the style, into the ovary, through the micropyle to carry two male nuclei to the ovule |