(a) The adult of one species of jellyfish has 22 pairs of chromosomes in its cells.

The table below shows some of the stages in the life cycle of this jellyfish.

For each stage, put **one** cross ☒ in the appropriate box, in each row, to show the number of chromosomes in the cells.

(3)

Stage	**Number of chromosomes in the cells**			
	11	**22**	**44**	**88**
gamete	☐	☐	☐	☐
planula	☐	☐	☐	☐
ephyra	☐	☐	☐	☐

(b) A planula may be either male or female.

State the sex of the polyp and ephyra that would result from a female planula.

(1)

polyp.....

ephyra.....

(c) Suggest the advantages to jellyfish of a life cycle with both sexual and asexual reproduction.

(3)

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