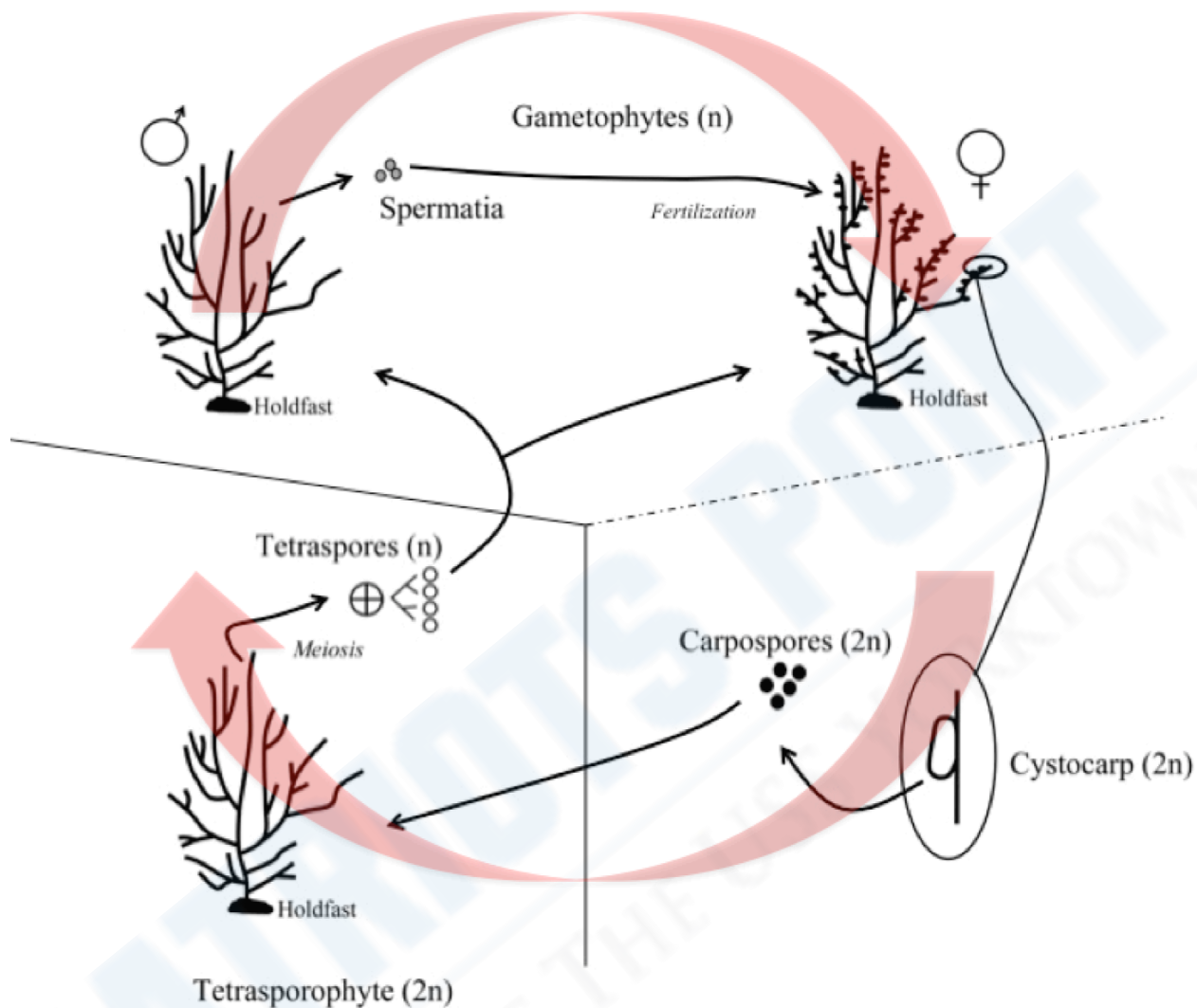


## Life Cycle of Gracilaria

Complete the following life cycle and answer the questions below.

Visit <http://www.patriotspointsciencespotlight.com/gracilaria-life-cycle.html> for help.



Adapted from SA Krueger-Hadfield, 2013

1. A male gametophyte produces special spermatangial branches that bear structures, called \_\_\_\_\_, which contain \_\_\_\_\_, the male gametes.
2. The female carpogonia, consists of a region that functions as the egg and a projection to which \_\_\_\_\_ become attached.
3. \_\_\_\_\_ occurs when male spermatia, which are carried by water currents, "bump into" a female branch.
4. A carposporophyte is housed within a structure called a \_\_\_\_\_, which form on a female alga.
5. The \_\_\_\_\_ generation is diploid and look identical to the gametophytes that originally produced them.
6. \_\_\_\_\_ grow into either male or female haploid gametophytes.