**Plant Information Cards Activity**

You and your partner will be investigating the body plan of members of Kingdom Plantae. Using your resources, it is your goal to complete the following tasks and create five information cards that describe the common characteristics of plant cells and include a depiction of all the plant parts with their names and their functions.

**Your materials**: Card stock, markers/colored pencils, textbook/resources

**Procedure**:

1. Create cards as described below:

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| (front of card 1)  -Draw a complete Plant Cell  -Label the 3 defining parts of a Plant cell  (Hint: What structures are in a plant cell, but not in an animal cell?) | (back of card 1)  -Write (legibly) the basic function of each of the 3 defining plant cell parts |
| (front of card 2)  -Draw and label diagrams showing the 4 types of tissues found in plants, what each type of tissue would look like, and where each type would be found in a plant | (back of card 2)  -Describe the function of each of these types of tissues found in plants  -Identify which type of tissue includes the following and define the function of each:  Xylem, phloem, meristems, stomata |
| (front of card 3)  -Draw & label an example of a root, stem, and leaf | (back of card 3)  -List at least two basic functions of each |
| (front of card 4)  -Draw and label the alternation of generations life cycle in plants | (back of card 4)  -Define gametophyte and sporophyte  -Explain, using bullet points, the steps in the alternation of generations |
| (front of card 5)  -Draw and label a typical flower, showing both male and female reproductive flower parts | (back of card 5)  -Describe the function of each of these reproductive flower structures and designate each structure as male or female  -Distinguish between self-pollination and cross-pollination. |

2. Once cards have been completed, put them in the correct order, hole punch the corner and secure them together with a piece of string.

3. Be sure to put both partners’ names on your first and last cards.