Domain Specific Vocabulary

Instructional Routine

**Step 1. Introduce the word.**

a) Display the word on the screen.
b) Read the word and have the students repeat the word.
If the word is difficult to pronounce or unfamiliar have the students repeat the word a number of times.

*Introduce the word with me.*

The next term is **cell membrane.** Say the term.

*Cell membrane*
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Step 2. Introduce meaning of word.
Have students locate definition in the glossary or the text. Ask students to determine the critical attributes.

cell membrane The outside cell boundary that controls which substances can enter or leave the cell.

cell membrane
- outside cell boundary
- controls which substances can enter or leave cell
Domain Specific Vocabulary

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Step 3. Illustrate the word with examples (and non-examples)

a) Concrete examples
b) Visual examples
c) Verbal examples
Visual Examples

- Cells need to allow important substances like water, oxygen, food particles, and wastes to enter and exit through the selectively permeable cell membrane.
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Step 4.
Option #1.
Check students’ understanding.
Have students discern between examples and non-examples.
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Step 4. Check students’ understanding.
Option #2. Have students generate their own examples or complete a quick draw of an example.

Turn to page 91. Complete a quick draw of the animal cell. Label all of the parts including the cell membrane.
Step 4. Check students’ understanding.
Option #3. Ask deep processing questions.

If a cell did not have a cell membrane, what would be the results?

Start by saying:
If a cell did not have a cell membrane, one result would be……..