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| **Component** | **Exemplary** | **Basic** | **Nonperformance** |
| Physical processes  (4 points) | 4 points:  2 examples of physical processes labeled in correct areas of the sketch; each process is accurately explained and diagrammed using correct terminology. No evidence of misunderstanding. | 2-3 points:  Characteristics of 4-point response but only one physical process included.  *and/or* Minor conceptual errors. | 0-1 point:  1-2 examples of physical processes labeled with major conceptual errors.   *and/or*  Processes are labeled but not explained.   *and/or*   No physical processes labeled on diagram. |
| Measurements (2 points) | 2 points:  2 correct examples provided (air temperature, ice velocity, ice elevation, GRACE, snowmelt). | 1 point:  1 correct example provided. | 0 points:  No examples of measurements provided on diagram. |
| Trends over time  (4 points) | 4 points:  Expected trends in both types of data are thoroughly explained using text and/or annotated drawings (for example, a student might make a drawing of a time series showing increased ice velocity). | 2-3 points:  Expected trends in data are explained with minor conceptual errors.   *and/or*  Characteristics of a 4-point response but only one data set is included. | 0-1 point:  Expected trends in data are explained with major conceptual errors.   *and/or*  No explanations of expected trends are provided. |

**Ice-Sea Level Unit 3 – Example Concept Sketch Assessment Rubric**