|  |  |  |  |
| --- | --- | --- | --- |
| **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**