**GLACIERS: MOVERS AND SHAPERS**

Directions: Using the Physical Geography textbook (p. 160-169) and notes taken in class to answer the following questions:

**A. Tour in the Life of a Glacier**

1. What types of climatic conditions are needed for glaciers to form?

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2. What are the two main types of glaciers? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Where are these two types of glaciers found?

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**B. The Growing Years**

1. Put these steps of glacier formation into the correct order:

\_\_\_It begins to flow outwards and downwards under the pressure of its own weight. \_\_\_The snow turns to ice.

\_\_\_Snow falls

\_\_\_Falling snow accumulates over time.

2. What causes snow and firn to be compressed into a mass of ice? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**C. Moving Forward**

1. What causes a glacier to begin moving?

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2. What objects can a glacier move as it travels outward or downward?

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3. What does the glacier do with these objects that it moves?

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4. What are three landforms created by glacial erosion?

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**D. In Retreat**

1. When a glacier retreats, is it moving backwards?

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2. How do glaciers retreat?

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3. What causes a glacier to begin to melt?

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4. Name three depositional features created by glacier activity.

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