

# Groovy Glaciers Worksheet

**Directions:**

Write in the boxes below whether the combinations of those two materials were able to make a mark on each other. Test to see if the objects in the left hand column will make a scratch or a gouge in the objects along the top row (see examples).

|           | Wood                    | Sandpaper              | Ice | Granite | Limestone | Sandstone |
|-----------|-------------------------|------------------------|-----|---------|-----------|-----------|
| Wood      |                         | NO (wood on sandpaper) | NO  |         |           |           |
| Sandpaper | YES (sandpaper on wood) |                        |     |         |           |           |
| Ice       |                         |                        |     |         |           |           |
| Granite   |                         |                        |     |         |           |           |
| Limestone |                         |                        |     |         |           |           |
| Sandstone |                         |                        |     |         |           |           |

When you are finished experimenting with the objects, interpret your findings in the space given below by answering why certain objects can erode some objects but not others.

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