

**PHYSICAL SCIENCE 101**

**ASSIGNMENT 3**

I. Mark the letter **A** if produced by running water, **B** if produced by ground water, **C** if produced by shore agents, **D** if produced by glaciers and **E** if produced by weathering.

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|------------------|-----------------------|
| Dune _____       | Beach _____           |
| Sinkhole _____   | Fiord _____           |
| Levee _____      | Cliff _____           |
| Spit _____       | Hanging valley _____  |
| Geyser _____     | Fall and rapids _____ |
| Penepplain _____ | Exfoliation _____     |
| Geode _____      | Striated rock _____   |
| Loess _____      | Canyon _____          |
| Moraine _____    | Stalactite _____      |
| Delta _____      | Talus _____           |

II. Mark the letter **A** if characteristic of a young valley, mark the letter **B** if characteristic of a mature valley, and mark the letter **C** if characteristic of an old valley.

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|------------------------------------|----------|
| 1. Down-cutting predominates       | 1. _____ |
| 2. Beginning to form a flood plain | 2. _____ |
| 3. Falls and rapids                | 3. _____ |
| 4. Side-cutting predominates       | 4. _____ |
| 5. V-shaped cross-section          | 5. _____ |
| 6. Meandering                      | 6. _____ |
| 7. A few short tributaries         | 7. _____ |
| 8. Many well developed tributaries | 8. _____ |

III. Write the number of the item that should not be classified with the others. Indicate the category of the common item.

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|-------------------------|-------------------|----------------------|-----------------|----------|
| 1. A. Spring            | B. Loess          | C. Cave              | D. Sinkhole     | 1. _____ |
|                         |                   |                      | Category        | _____    |
| 2. A. Sand abrasion     | B. Exfoliation    | C. Formation of clay | D. Talus        | 2. _____ |
|                         |                   |                      | Category        | _____    |
| 3. A. Natural levee     | B. Sand bar       | C. Delta             | D. Geyser       | 3. _____ |
|                         |                   |                      | Category        | _____    |
| 4. A. Broad flood plain | B. Ox-bows        | C. Meanders          | D. Broad divide | 4. _____ |
|                         |                   |                      | Category        | _____    |
| 5. A. Moraine           | B. Hanging valley | C. Cirque            | D. Cave         | 5. _____ |
|                         |                   |                      | Category        | _____    |