

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

# INTRODUCTION TO GEOLOGY

## Activity 1 Forensic Geology

Use all of the materials in the packet to solve the mystery. You only have 25 minutes, so do not waste any time. Good Luck!

1. List 3 important detail about the crime from the article published by the Daily Chronic
  - a.
  - b.
  - c.
  
2. List 6 details about the abandoned white van.
  - a.
  - b.
  - c.
  - d.
  - e.
  - f.
  
3. Use the data table to help organize the clues about each of the 4 suspects

| SUSPECTS<br>NAME | OTHER<br>DISTINGUISHING<br>FEATURES | OTHER FORENSIC<br>EVIDENCE<br>(SAMPLE #) | NOTES FROM<br>INTERVIEW |
|------------------|-------------------------------------|--|-------------------------|
|                  |                                     |  |                         |
|                  |                                     |  |                         |
|                  |                                     |  |                         |
|                  |                                     |  |                         |

4. Describe the rock samples found from each suspect

| SUSPECT NAME | ROCK SAMPLE<br>NUMBER | TYPE OF ROCK | LOCATION OF<br>ROCK ON SUSPECT |
|--------------|-----------------------|--------------|--------------------------------|
|              |                       |              |                                |
|              |                       |              |                                |
|              |                       |              |                                |

5. Describe the microscopic analysis of sand from the crime scene.

|              | SAMPLE DESCRIPTIONS |           |           |
|--------------|---------------------|-----------|-----------|
|              | SAMPLE #5           | SAMPLE #6 | SAMPLE #7 |
| DESCRIPTIONS |                     |           |           |

6. Argue from evidence suspect guilty of people smuggling. ( 2 to 4 complete sentences for full points)