

# Geology Field Trip

**Overview:** This experiment really pulls together everything we've been learning about rocks and minerals so far. Students will have 30 rocks, minerals, fossils and gemstones to sort and identify using the tests and techniques we've covered.

**What to Learn:** Field trip time! Today you get to sift through sand and excavate your rock samples right on your own desk. This set of rocks is a little more difficult than the first field trip to work through, because there are more of them and the samples are smaller, so take your time and follow the video instructions carefully.

## Materials

- "Geology Field Trip" rock samples: dinosaur bone, horn coral, gastropod, brachiopod, trilobite, oyster, shark's tooth, petrified wood, crinoid stem, pyrite, magnetite, gypsum, hematite, sulfur, pumice, selenite, limonite, quartz, mica, fluorite, calcite, feldspar, coal, red sandstone, conglomerate, obsidian, scoria, mica schist, quartzite, shale, gneiss, turquenite, rock crystal, agate, and amethyst.
- Penny
- Nail
- Streak plate
- Glass plate
- Water in a graduated container
- Sunlight
- Pencil and paper
- Handheld magnifier

## Experiment

1. You're first going to classify your pile of rocks right along with the instructional step-by-step video. So fire up the video and get your materials out as you complete the data table.
2. Use the table on the next page to place your rocks once you've identified them. Enjoy your second real geologist rock hunt!

## Geology Field Trip Number Table

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>
<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>

1. dinosaur bone
2. horn coral
3. gastropod
4. brachiopod
5. trilobite
6. oyster
7. shark's tooth
8. petrified wood
9. crinoid stem
10. pyrite
11. magnetite
12. gypsum

13. hematite
14. sulfur
15. pumice
16. selenite
17. limonite
18. quartz
19. mica
20. fluorite
21. calcite
22. feldspar
23. coal
24. red sandstone

25. conglomerate
26. obsidian
27. scoria
28. mica schist
29. quartzite
30. shale
31. gneiss
32. turquenite
33. rock crystal
34. agate
35. amethyst