

## Solving Mysteries with Sands from around the World!



**Hand lens**

**Dissecting microscope**

**Magiscope**

Today, we will use hand lenses and microscopes to look at sand from around the world. Did you know that you can use a microscope to look at sands and solve mysteries? Let's look at some sands from around the world and solve a mystery.

### **A. First, look at your sand.**

Where is it from? \_\_\_\_\_

What color is your sand? \_\_\_\_\_

Can you see the grains of sand? \_\_\_\_\_

### **B. Use a hand lens to look at your sand. Draw what you see in the circle below:**

Does it look different with the hand lens?

\_\_\_\_\_

If it does, how does it look different?

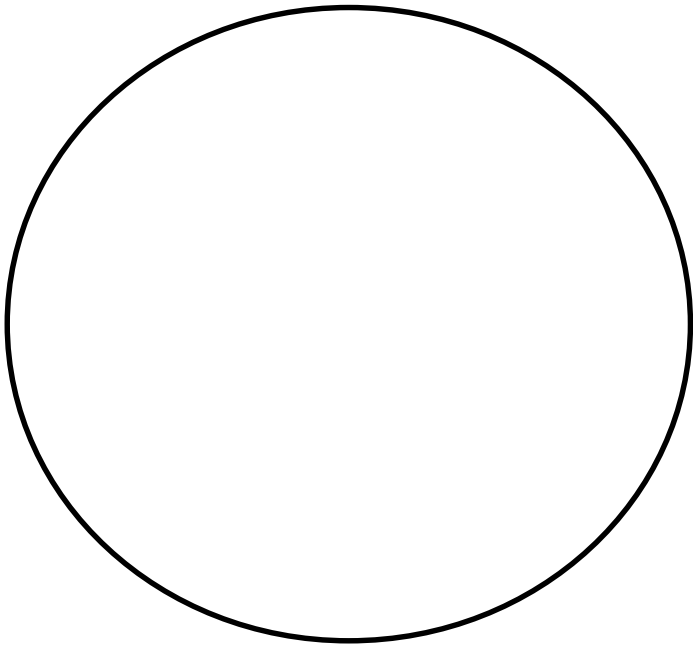
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What do the grains of sand look like?

\_\_\_\_\_

\_\_\_\_\_

**C. Now use the Magiscope or the dissecting microscope to look at your sand.  
Draw what you see in the circle below:**



Does it look different with the microscope?

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If it does, how does it look different?

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What do the grains of sand look like?

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D. Now we will look at sand from other parts of the world. Are they the same or different from the sand you drew? Explain your answer. \_\_\_\_\_

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E. Compare the sand taken from the crime scene to all of the sands you looked at today. Which one matches the sand from the crime scene? How do you know?

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F. Which sand is your favorite and why?

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