

Station 1 Instructions

1. Pick a liquid to use, cup A or cup B.
2. Draw some liquid into the pipette.
3. Use the pipette to drop the liquid onto each substance. Observe what happens.
4. Dry the rocks with a paper towel or lab towel.
5. Change the type of liquid and repeat the process. Observe what happens.
6. Change the location of the drops and the amounts. Observe what happens.
7. If you haven't seen any changes, take turns putting the rocks into each substance, then clean them off in between each liquid. Dry off your rocks and look closely.
8. Do the changes affect your results? Why or why not?
9. How is this like what might happen in any of the landscapes we have seen in the images?

Station 2 Instructions

1. Using your fingers, sprinkle a VERY LIGHT layer of white powder over the top of the slope.
2. Place the sandpaper over the top of the slope with the rough part facing down.
3. Using your hands, apply an even pressure to the top of the sandpaper and slowly slide it down the slope.
4. Watch what happens as you are sliding it down the slope. What does it do to the slope?
5. Change the pressure and the location of the sandpaper. Does this affect your results? If so, why?
6. How is this like what might happen in any of the landscapes we have seen in the images?

Station 3 Instructions

1. Turn the fan on and move it around the inside of the container, making sure to point it at different parts of the sand.
2. Observe what happens inside the container.
3. Try facing the fan in different directions in the container and use different speeds. Be careful not to blow sand out of the container.
4. Does changing the direction or speed affect your results? If so, why?
5. How is this like what might happen in any of the landscapes we have seen in the images?

Station 4 Instructions

1. Using the ruler, scoop the water to create waves that hit the sand.
2. Make sure to not splash any water out of the container.
3. Observe what happens as the water hits the sand.
4. Vary the size and the number of times you create a wave.
5. Does this affect the results? Why or why not?
6. How is this like what might happen in any of the landscapes we have seen in the images?

Station 5 Instructions

1. Use the watering can to sprinkle water at the top of each section of the pan. You can also use a cup of water.
Do not use all of the water at this station--other groups will use this after you as well.
2. Vary the location and the amount of water used at once.
3. Does this affect your results? Why or why not?
4. How is this like what might happen in any of the landscapes we have seen in the images?

Station 6 Instructions

1. Bury the balloon under the sand, with the opening of the balloon coming out of the sand.
2. Attach the opening of the balloon to the bicycle pump.
3. Pump air into the balloon. Be careful to not overfill the balloon or it may burst.
4. Try different speeds of pumping and different locations in the sand.
5. You can use the cup of water to make the sand have different consistencies in different areas. Does it affect your results? If so, why?
6. How is this like what might happen in any of the landscapes we have seen in the images?