

# Explore the Air Around You: Check-Out Kit Activity Worksheet

The best way to explore science is to learn a little bit about something and then make a prediction about what you think will happen if the things you've learned are true. Remember to complete the steps in the **Explore the Air Around You: Check-Out Kit Guide**.

After you have spread the jelly in the five petri dishes:

- Decide where to hang your five petri dishes; label each using a permanent marker and hang them in those areas. Write the names of the locations here:

Location 1: \_\_\_\_\_

Location 2: \_\_\_\_\_

Location 3: \_\_\_\_\_

Location 4: \_\_\_\_\_

Location 5: \_\_\_\_\_

- After they are set up, remove the lids, write down each location, and fill out the **Predictions** section below. *Important: Fill out this sheet before you collect any samples.*

Predictions					
Particle	Location 1	Location 2	Location 3	Location 4	Location 5
Dust					
Dirt or sand					
Pollen					
Animal hair					
Fungal spores					
Miscellaneous					

- Leave your petri dishes uncovered for at least five days. When you are ready to see what your petri dishes have trapped, place the lids on the petri dishes and bring them inside.

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- Using a microscope, refer to the **Particle Photo Guide** to identify the particles you collected.
- Fill out the **Observations** section (below) and compare it to the **Predictions** section (on the first page).
  - Did you find miscellaneous particles?
  - If so, what do you think they are?
  - Where do you think they came from?

Observations					
Particle	Location 1	Location 2	Location 3	Location 4	Location 5
Dust					
Dirt or sand					
Pollen					
Animal hair					
Fungal spores					
Miscellaneous					