**Intro to why do things fall**

**Directions:**

* Read the 5 questions then watch the video below. Answer the questions after you have watched the entire video.

[Click here for the video](https://www.youtube.com/watch?v=AvKJ9DcaJ8M&t=155s)

1. I think objects fall downward because…
2. I believe \_\_\_\_\_\_\_\_ (object 1) falls at a different/the same rate as \_\_\_\_\_\_\_\_ (object 2).
3. I believe that \_\_\_\_\_\_\_\_ makes an object fall at a faster/slower speed.
4. An object’s **size** does/does not affect the way the object falls because…
5. An object’s **shape** does/does not affect the way the object falls because...

**Directions**:

* Watch the video below then answer the following questions:

[Click here for video](https://www.youtube.com/watch?v=dxcx35x5L9Y)

1. What is gravity?
2. What is air resistance?

**Directions:**

* Take one regular flat sheets of paper and one crumbled up sheet of paper.
* Drop them both from the same height at the same time and observe? (do this twice)
* Answer the following the questions

1. Which piece of paper had the slowest falling speed?
2. Explain why you think that piece of paper fell slowest.
3. Does the shape of an object affect the way the object falls?
4. Explain your answer to question 10.
5. Why do objects on Earth fall at different rates?