

## **Lab #4 Fungus – Formal lab**

ONE LAB WRITE UP PER PAIR.

(Be sure all the names of partners are on it.)

Create your own lab in groups of 2 or 3, using the materials provided: different foods.

1. Come up with 2 hypotheses (at least) that you are going to test. Write down both hypotheses.

What do you think will mold faster, won't mold at all.

**Show me** them written down.

2. Put food samples together

You can test light/dark, water/dry, combine foods.....

Label bags: Name, testing light/dark, wet/dry

3. Leave food samples exposed to air → about 15-20 minutes to collect spores.

4. Write up you're:

A. Purpose and hypotheses

B. Procedure you did.

Ex) Put bread in baggie, added 15 drops of water, left exposed to air 15 minutes etc...

You will need to do this for EACH hypothesis.

### Observations:

1. Look at the mold under a dissection microscope.  
Make a biological drawing of the fruiting bodies.
2. Compound microscope – wet mount – low power.  
Make a biological drawing of the fruiting bodies.
3. Note the colour(s) of the mold.

### Conclusion:

1. Discuss why you had the results you did based on the characteristics of K. Fungi.
2. Were they as expected? Did you prove your hypotheses?
3. If not, why? What could have inhibited mold growth?