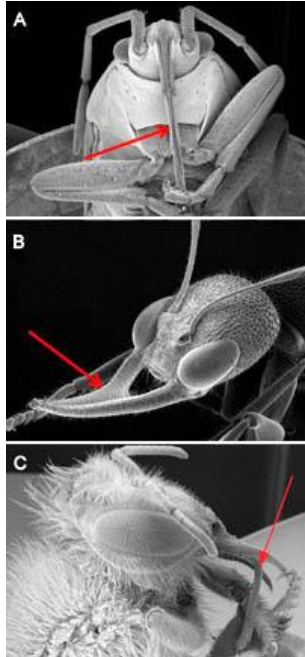


NAME: \_\_\_\_\_

## PRE-VISIT ACTIVITY – Bugs in the Museum

**DIRECTIONS:** Read the following passage that explains the differences between bugs and insects. Then, examine the bugs and insects below. Circle all the bugs.



Soon you will be visiting Winterthur to explore all different kinds of bugs and insects, but do you know the difference? All bugs are insects, but not all insects are bugs! The key difference is in their mouth. True bugs suck! True bugs have a special mouth that sucks up fluids from plants and even other animals. The **proboscis** (pro-boss-kiss) is the sucking mouth part. It works similar to a straw; it is very rigid and cannot be rolled up. There are many insects that have retractable proboscis so they are not “true bugs”. For example, the honeybee and butterfly have a proboscis that is retractable so they are not true bugs. The images on the left show the proboscis of three different true bugs.

Image taken from:  
<https://askabiologist.asu.edu/explore/true-bugs>



**THINK ABOUT IT!** Who names all these crazy bugs and insects anyway? **Taxonomists** are biologists who are responsible for naming plants and animals. **Entomologists** are the people who study insects.



Winterthur Museum, Garden & Library  
winterthur.org/school  
800.448.3883 • school@winterthur.org