

Name: \_\_\_\_\_

### Science Observations – Bugs, Plants, and Rotten Stuff

Key Idea	What it looks like		
	C+	B	A
	I can do it occasionally (sometimes) I can do it with 1-on-1 help	I can do it usually (most of the time) I can do with prompts (hints)	I can do it consistently (all of the time) I can do it independently (on my own)
I can demonstrate sustained intellectual curiosity about a scientific topic	The notes I made in my research are minimal.  The notes I made in my research only examine the surface of the topic.	The notes I made in my research show that I am not satisfied with easy answers.	The notes I made in my research are detailed, thorough, and consistently dig into the why and how of the findings.
I can ensure that safety and ethical guidelines are followed in my investigations	I tend to lose things or break them  I often leave things for others to clean up  I sometimes forgot to treat the non-human parts of my experiment with respect	I respect equipment and don't play with materials.  I help clean up.  I treat the non-human parts of my experiment with respect.	I respect equipment and put things back where I found them.  I always help clean up.  I treat the non-human parts of my experiment with respect and help others to the same.
I can make observations in familiar and unfamiliar contexts	I need someone to remind me to be focused.  I tend to talk to others and make it hard for them to concentrate.  Most of my observation entries have the correct date and time.  Most of my entries list the materials I used.  My written observations are quite short, and/or the language I used is vague.  It is sometimes hard to figure out what my drawings are showing, and/or I forgot to add labels  I tend to rush through my work.	I am mostly focused during observation time, but sometimes I might talk a little too much.  All my observation entries have the correct date and time.  All of my entries list the materials I used.  My written observations are focused on meaningful detail.  All of my entries have a labeled drawing that makes an attempt to accurately show what I was seeing.  I mostly take time and care with my work, but occasionally I rush.	I am focused and use my observation time well and allow others to use their time well, too.  All of my observation entries have the correct date and precise time, in a neat and organized way.  All of my entries list the materials I used, in a neat and organized way.  My written observations are detailed and I have used precise, descriptive language.  All of my entries have a detailed, labeled drawing that makes an attempt to accurately show what I was seeing.  I take time and care with my work.
I can identify questions to ask through scientific inquiry	My questions are “thin” – they have yes or no answers or can be answered by looking more closely.	My questions are sometimes “thick” and sometimes “medium-sized” – I’m still getting the hang of this question stuff.	My questions are “thick” and would promote rich discussion and require deep research to answer.