



The questions a scientist is able to ask about the natural world are limited by his/her current knowledge, observation of phenomena and technology, and data available for exploration.

What do you already know or have observed about galaxies?

I know/ I have observed	Evidence

Scientific questions follow from asking "Why?" about some observation or when a new observation calls into question a current explanation or hypothesis. The questions scientists ask are always empirical in nature -- that means they can be answered by observation, measurements, and the analysis of data. From your list above, create some "Why?" questions that are interesting to you.

Name _____

What data are you aware of that relates to galaxies in the SDSS?

Data Type	Location	What do these data communicate?
<i>Color Images</i>	<i>Navigator</i>	<i>You can determine the shape of the galaxy and what the local environment looks like.</i>

List and describe any additional sources of information that you are personally able to use that might be outside the SDSS.