

Examples ---->				
Type of question	Life science	Physical science	Earth science	Social studies
1a. A question that compares the variability of 2 or more groups. (i.e. the range, shape of the distribution, and measure of center).	<i>Which type of beak is best suited for eating small seeds?</i>	<i>Which design produces the slowest-falling whirligig?</i>	<i>How do summer temperatures in Bucksport compare with summer temperatures in Greenville?</i>	<i>How do median household incomes in counties in the two congressional districts in Maine compare?</i>
1b. A question that compares a summary value (i.e. the mean, median, or sum) of two or more groups (categories).	<i>What was the average carapace length for male and female crabs?</i>	<i>How did the total kWh used this week by each school compare?</i>	<i>How do the mean temperatures for July 2012 compare between Newport and Bar Harbor?</i>	<i>What is the median income for each Maine county?</i>
2a. A question that asks how (or if) two numeric variables are correlated	<i>Is the amount of sleep humans needs related to age?</i>	<i>Is the weight (mass) of the car related to its fuel efficiency?</i>	<i>Is wind speed of a hurricane related to barometric pressure?</i>	<i>How does the price of a barrel of crude oil relate to the price of regular gas at the pump?</i>
2b. A question that asks how (or if) a numeric variable changes through time .	<i>How has the cardinal population in midcoast Maine changed in the last 20 years?</i>	<i>How does the speed of the car change during it's trip?</i>	<i>Have "white Christmases" become less frequent in Ellsworth over the last 40 years?</i>	<i>How have median incomes in Bangor changed over the last 20 years?</i>
3. A question that asks how a total is proportioned into sub-groups. (or what proportion a sub-group is of a total).	<i>Which species of fish are the most common in Nokomis Pond?</i>	<i>What proportion of salt in sea water is NaCl?</i>	<i>What is the make up of gases in Earth's lower atmosphere?</i>	<i>What proportion of household income in Maine is typically spent on health care costs?</i>