

## Reinforcing Inquiry through Collaboration

**Level 1** questions cause students to recall information. This level of question causes students to input the data into short-term memory, but if they don't use it in some meaningful way, they may soon forget.

**Level 2** questions enable students to process information. They expect students to make sense of information they have gathered and retrieve from long- and short-term memory.

**Level 3** questions require students to go beyond the concepts or principles they have learned and to use these in novel or hypothetical situations.

TOPIC	<u>Level 1</u> (complete, count, match, name, define, observe, recite, describe, list, identify, recall)	<u>Level 2</u> (analyze, categorize, explain, classify, compare, contrast, infer, organize, sequence)	<u>Level 3</u> (imagine, plan, evaluate, judge, predict, extrapolate, invent, speculate, generalize)
Science	What is a gene? What is a chromosome?	Compare and contrast genes and chromosomes.	Use what you know about genes and chromosomes to predict a trait in a child?
Spanish	Conjugate the Spanish verb "ser" in the present tense.	Elaborate on the similarities and differences of the preterite and past tenses in the Spanish language.	"Invent" a new Spanish regular "ar" ending verb. Use it in 6 sentences, using different tenses and persons.
Mathematics	Evaluate this expression: $3x^2$ if $x = 4$ .	When if ever, can $X^2 = 2x$	Prove whether or not the operation $\oplus$ , is commutative, given that $a \oplus b = a^2 - b$
History	Which amendment in the US Constitution gives citizens the right to bear arms?	Compare and contrast societal conditions in the US that impacted the inclusion of the second amendment in the US Constitution with conditions today.	If there were a constitutional amendment that prohibited ownership of weapons by citizens, how might American society be affected?
English	In the book, <u>The Giver</u> , what did Jonas' mom do for a living?	Use examples for the book to elaborate on the theme of balancing freedom and security.	Speculate as to how your community would change if some of the societal controls embraced by the members of Jonas' community in the book, <u>The Giver</u> , were embraced within your community.

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Identify the fifteen questions below according to Costa's Levels of Questions (Level 1, 2, or 3.)

- \_\_\_\_\_ 1. Name the elements that make up water.
- \_\_\_\_\_ 2. What will California's population be like in 2050 if we continue to grow as we have for the past ten years?
- \_\_\_\_\_ 3. What is the definition of a trapezoid?
- \_\_\_\_\_ 4. Imagine that you were in the character's position, how would you react?
- \_\_\_\_\_ 5. Distinguish one candidate's platform from that of the other candidate.
- \_\_\_\_\_ 6. Recite the Preamble of the US Constitution.
- \_\_\_\_\_ 7. What happened to the litmus paper when inserted in the liquid?
- \_\_\_\_\_ 8. Create an invention that uses at least three types of simple machines.
- \_\_\_\_\_ 9. Analyze the character's intentions in the scene.
- \_\_\_\_\_ 10. Make a plan to complete your science fair project.
- \_\_\_\_\_ 11. Applying the principles espoused in the Fifth Amendment, how would you decide the case of ....?
- \_\_\_\_\_ 12. Evaluate the expression  $(3x+5)$  if  $x= 2$ .
- \_\_\_\_\_ 13. Use four 4s and any math operational symbols to create expressions that equal the numbers 1-10.
- \_\_\_\_\_ 14. Explain how involvement in war impacts the economy.
- \_\_\_\_\_ 15. Arrange the following numbers in order from smallest to largest...