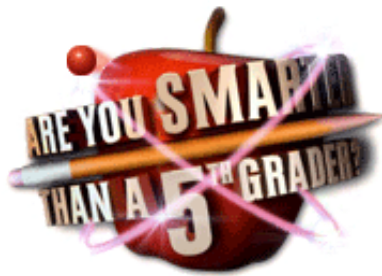


Are You Smarter
Than a 5th Grader?



1,000,000

500,000

300,000

175,000

100,000

50,000

25,000

10,000

5,000

2,000

1,000

Are You Smarter Than a 5th Grader?

5th Grade Topic 1

5th Grade Topic 2

5th Grade Topic 3

5th Grade Topic 4

5th Grade Topic 5

5th Grade Topic 6

5th Grade Topic 7

5th Grade Topic 8

5th Grade Topic 9

5th Grade Topic 10



5th Grade Topic 1 Question

- / The chemical formula for baking soda is NaHCO_3 . What does it tell you about a single molecule of baking soda?



5th Grade Topic 1 Answer

/ There is 1 atom of Na (sodium), 1 atom of H (hydrogen), 1 atom of C (carbon) and 3 atoms of O (oxygen).

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5th Grade Topic 2 Question

/ What is the safest way to test for an acid or a base?



5th Grade Topic 2 Answer

- / Use an indicator such as litmus paper.
- / An acid will turn the blue litmus **red** and there will be no change on the red litmus paper.



Return




5th Grade Topic 3 Question

- / Do compounds have similar properties to the elements that make up the compound?



5th Grade Topic 3 Answer

/ No, the properties of compounds are very different from the elements that make it up. For example, NaCl (table salt) is not poisonous like Cl (chlorine gas) or explosive like Na (sodium).



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5th Grade Topic 4 Question

/ A metal cube has a mass of 50 grams and a volume of 20 liters. What is its density?

Will the cube float or sink in H_2O ?

Remember that the density of H_2O is 1 g/l.





5th Grade Topic 4 Answer

- / 2.5 g/l
- / The cube will sink in H_2O because it has a higher density.



Return



5th Grade Topic 5 Question

/ What are good conductors of heat and electricity?



5th Grade Topic 5 Answer

/ Metals are good conductors of heat and electricity.

Return



5th Grade Topic 6 Question

/ What is formed when a strong acid combines with a strong base?



5th Grade Topic 6 Answer

/ A salt forms when a strong acid and a strong base combines.



5th Grade Topic 7 Question

/ What types of compound easily releases H^+ (hydrogen ions)?



5th Grade Topic 7 Answer

/ Acids release hydrogen ions

Return



5th Grade Topic 8 Question

/ What is the temperature that a liquid changes into a gas?



5th Grade Topic 8 Answer

- / The boiling point is the temperature that a liquid changes to a gas.

Return



5th Grade Topic 9 Question

/ What type of compound usually accepts H^+ (hydrogen ions) ?



5th Grade Topic 9 Answer

/ Bases usually accept H^+ (hydrogen ions).

Return



5th Grade Topic 10 Question

/ What is the measure of how much one substance can dissolve into another?



5th Grade Topic 10 Answer

- / Solubility is the measure of how much one substance can dissolve into another.

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Million Dollar Question
Grade Level Topic 11

Biology



1,000,000 Question

- / What is the name of the acid in the stomach that helps digest food?
- / What is its approximate pH?



1,000,000 Answer

/ HCl (hydrochloric acid) helps digest food and its pH is between 1 and 2.

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Thanks for Playing!

