CHAPTER 5 REINFORCEMENT

Comparing Densities Additional Questions

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What to Do Use the information in the tab	11 8 6 8 8 6 8	Density (g/mL)	Solid	Density (g/cm³)
answer the following questions.	s. hydrogen	0.00009	styrofoam	0.005
1. You drop three things into a glass of water: a piece of styrofoam, a piece of oak, and a gold ring. Which will float? Which will sink?		0.0002	cork	0.24
		0.0013	oak	0.70
		0.0014	sugar	1.59
	carbon dioxide	0.002	salt	2.16
	ethyl alcohol	0.79	aluminum	2.70
	machine oil	0.90	iron	7.87
	water	1.00	nickel	8.90
	seawater	1.03	copper	8.92
2. Which is more dense:	glycerol	1.26	lead	11.34
	mercury	13.55	gold	19.32
3. Sometimes people say that the "thinner" high up on a mount this true?		ce?		
t 103 cm - 1 hey conclude that is not a second	swim in	6. Some people say that it is easier to swim in seawater than it is to swim in fresh water. Could this be true?		
4. Someone decides that it would to get rid of machine oil by du into a nearby pond. This pers	imping it			
that since it is only a small am machine oil, dumping it would ate pollution because the mach	ount of 7. While s	7. While studying for a test, a student comes to the conclusion that solids are more dense than liquids. Is this true?		
would mix with the water in the and "disappear." What would	ne pond	ense than I	iquids. Is th	