

BLM Answers

BLM 1-2 How Do Acids React with Shells?

- clear, colourless liquid with no smell
 - clear, colourless liquid with sour smell
 - hard, glossy, and heavy
 - hard and smooth
- Observations will vary.

BLM 1-4 Compare Flammable and Combustible

See answer to question 2 (page 36 check) in the Teacher Resource.

BLM 1-5 Chapter 1 Practice Test

- d) sugar
- a) limestone
- e) antifreeze
- b) baking soda
- c) rust
- a) to d) Any four of: compressed gas; reactive; corrosive; oxidizing material; poisonous; flammable; biohazard; toxic
- common name
 - brand name
 - chemical name
- b) The periodic table lists all the elements.
- c) what elements are in it
- d) all of the above
- d) corrosive
- a) and b) Any two of: risk phrases; precautionary statements; personal protective equipment; hazard symbols
- Answers may vary. Likely examples include:
 - gas, sawdust, isopropyl alcohol
 - potassium chlorate, potassium nitrate, oxygen
 - wood, oil, gas, coal, tar, sucrose, steel wool, biofuel
 - wood, candle wax, diesel fuel, paint thinner
- T
 - T
 - F. WHMIS labels are found on products at work.
 - F. Fossil fuels are fossils that turned into fuel.

BLM 1-6 Chapter 1 Test

- e) zinc oxide
- b) silver chloride
- c) barium bromide
- a) iron oxide
- d) copper sulfide
- a)



- Answers may vary. Sample answer: propane
- Advil[®]
 - ibuprofen
 - 2-[4-(2-methylpropyl)phenyl] propanoic acid
 - brand name
 - Sample answer: A brand name sells *my* product, rather than just *any* brand of a chemical. People will recognize it.
- corrosive
 - fuel
 - oxidizer
 - corrosive
 - fuel
 - fuel
- rust
 - table salt
 - baking soda
 - natural gas
- a) to d) In any order: sodium, hydrogen, carbon, oxygen
- F. This is the symbol for an oxidizing chemical.
 - F. Acids and bases are corrosive chemicals.
 - F. Sodium chloride is the chemical name for table salt.
 - F. Potassium chlorate is an oxidizing chemical, so it will feed a fire.
- Flammable Differences:** burn or catch fire easily, burn or catch fire below 38°C
Similarities: burn, produce heat, catch on fire, burn by themselves
Combustible Differences: catch fire when heat applied, catch fire above 38°C