

Name: _____

- 1) Which mineral precipitates from oceans and forms rock salt?
- 2) What mineral is an ore of iron and has a characteristic reddish brown streak?
- 3) According to the *Properties of Common Minerals* Earth Science reference table, which mineral scratches dolomite and is scratched by olivine?
- 4) Which mineral is white or colorless, has a hardness of 2.5, and splits with cubic cleavage?
- 5) According to the *Properties of Common Minerals* Earth Science reference table, which mineral leaves a green-black powder when rubbed against an unglazed porcelain plate?
- 6) What is the *best* way to determine if a mineral sample is calcite or quartz?
- 7) How are the minerals biotite mica and muscovite mica different?
- 8) An unidentified mineral that is softer than calcite exhibits a metallic luster and cubic cleavage. This mineral most likely is
- 9) A human fingernail has a hardness of approximately 2.5. Which two minerals are softer than a human fingernail?
- 10) Which mineral will scratch glass (hardness = 5.5), but *not* pyrite?
- 11) Which mineral will scratch fluorite, galena, and pyroxene?
- 12) Which two properties are *most* useful in distinguishing between galena and halite?
- 13) Which material is made mostly of the mineral quartz?
- 14) Some of the bedrock in the Green Mountains in Vermont is actually green in color because of the presence of the mineral chlorite. Which other mineral can cause rocks to appear green?
- 15) Which one of the following minerals is commonly used as a food additive?
- 16) Which mineral is the major component of drywall?
- 17) Part of a gemstone's value is based on the way the gemstone shines in reflected light. The way a mineral reflects light is described as the mineral's
- 18) The hardness and density of a gemstone is based primarily on the gemstone's
- 19) What property is *most* useful in distinguishing pyroxene from amphibole?
- 20) Which mineral has a metallic luster, a black streak, and is an ore of iron?
- 21) Which two minerals have cleavage planes at right angles?
- 22) Silicate minerals contain the elements silicon and oxygen. Which list contains only silicate minerals?
- 23) The mineral graphite is often used as