

CHAPTER 10

A list of bullet points with important information is given to help you learn the subject matter of this chapter.

- 1.- Cement is prepared by calcining limestone.
- 2.- "Plaster-of-Paris" is prepared by calcining gypsum.
- 3.- Sapphire and ruby (gems) have the same composition.
- 4.- Diamonds are chemically identical to carbon.
- 5.- The principal type of building stone used in the U.S. is granite.
- 6.- In general, the value of building materials is a function of their degree of processing.
- 7.- Pearls are the same composition as calcite.
- 8.- Sapphires have virtually the same chemical composition as corundum.
- 9.- The largest volume mineral commodity used in the U.S. is crushed stone.
- 10.- The primary constituent used in making bricks is clay.
- 11.- Glasses that can withstand heating and cooling, such as "Pyrex," are usually prepared with the specific addition of B2O3.
- 12.- The use of asbestos in the first half of this century increased rapidly because it: (1) is strong; (2) is flexible; (3) is chemically resistant; (4) will not burn.
- 13.- Since about 1973, the use of asbestos in the U.S. has decreased markedly because some forms have been found to be carcinogenic.
- 14.- The principal use of fluorite is as a flux in steel making.
- 15.- The principal use of barite is as oil drilling mud.
- 16.- Pearls have the same general composition as the common mineral calcite.
- 17.- The world's largest producer of synthetic diamonds is U.S.
- 18.- The primary use of zeolites today is in oil refining.
- 19.- Large, irregular-shaped blocks of rough-hewn stone are known as rip-rap.
- 20.- A typical lightweight aggregate is vermiculite.
- 21.- The material added to cement to control setting times is gypsum.
- 22.- The mineral composition of the mid-latitude beaches around the world is quartz.
- 23.- The mineral composition of beaches in the Bahamas and most tropical areas is calcite.
- 24.- Mesothelioma is a form of cancer associated with the chrysotile form of asbestos.
- 25.- The dominant mineral present in fireclays is kaolinite.
- 26.- The only mineral resource we use that did not form in the Earth's crust is diamond.
- 27.- The mineral garnet is employed as an abrasive.
- 28.- Barite is an industrial mineral employed chiefly by the petroleum industry.
- 29.- Asbestos usage in the first half of the 20th Century was promoted because it is: (1) flexible (2) strong (3) resistant to chemicals (4) not flammable.
- 30.- Diatomite is a sedimentary rock made from the skeletons of small siliceous animals.
- 31.- The principal form of asbestos that has been used in the United States is chrysotile.
- 32.- The principal constituent (by volume) in concrete is gravel
- 33.- Diamonds form in the earth's mantle.
- 34.- The mineral substance used to coat the surfaces of high quality paper so that it will hold fine images during printing is clay.
- 35.- Zeolites have become industrially important because of their usage in refining of oil.
- 36.- Over the past 30 years, asbestos usage in the United States has been falling because cheaper substitutes have been found.
- 37.- Diamonds are composed of more than 99.95% of carbon.
- 38.- The dominant component in making glass is quartz sand.
- 39.- The primary elements that make sea water salty are sodium and chlorine.
- 40.- The principal earth resource used by great sculptors like Michaelangelo, and obtained from the famous quarries at Carrara in Italy is marble.
- 41.- The growing problem faced by United States' stone producers is pressure to move mining operations from areas of suburban growth.