oblique angles Lustre vitreous, but equaled in the combination of these often pearly on the face; perfect cleavage; usually translucent to opaque. Hardness 6 to 7. Color, white, grayish, reddish or green. Composition, silicate of alumina and either lime, soda, potash or perhaps two together.

Anorthite is a lime feldspar. Color, white or grayish; crystals tabular; fuses with difficulty in blowpipe flame; decomposed by hydrochloric acid.

Albite a soda feldspar Color, white, occasionally with some light tint; crystals thick; usually occurs massive with a granular laminated structure; fuses to a clear or white glass, coloring flame intense yellow. Is not affected by acid.

Orthoclase, (common feldspar,) a potash variety, in thick prisms or massive, fine or coarse, color white, gray, flesh-color, or greenish. Fuses with difficulty; not acted on by acid. By decomposition this forms the base of clays. It is one of the constituents of granite, syenite and gneiss and occurs in porphyry.

Oligoclase, a soda-lime variety, somotimes with petash also. Fuses without difficulty to a clear or enamel-like glass; not materially affected by acid.

dark gray or greenish brown ; usually in cleavable masses showing a beautiful internal reflection of blue, green or yellowish light; used as a gem. and amygdaloid.

MICA—(Muscovite.)

This is a silicate of alumina and potash with a small amount of iron; small quantity. It usually contains the orbits of Mars and Jupiter. Ceres from one to four per cent of water. and Vesta are the largest of the group, which split easily into thin laminae dred to four hundred miles. which are remarkable for their tough- disks of all are so small as to defy ness and elasticity. It is probably net exact measurement.

two properties by any other substance.

It is sometimes found crystallized in six-sided or diamond-shaped prisms. Color usually white, grey or brown, sometimes green or red lustre transparent or translucent; hardness 2. transparent variety when found in large sheets is used in place glass in stove doors, lanterns, &c., and is improperly called isinglass, variety with scales arranged in a feathery form is called plumose mica.

Mica is found in many of the older rocks, as granite, gneiss and mica schist;

also found in limestone.

Formerly most of the large sheets of mica used in this country came from Russia, but it is now found in excellent quality in several places, as Grafton, N. H., Paris, Me., North Carolina, and

in the Rocky Mountains

It is decomposed by long exposure to the air and water, but much more slowly than the feldspar, with which it is usually associated, so that the glistening particles of this mineral are often seen in the soil and sand. frequently colored by oxide of iron to a golden yellow, so that it is not unfrequently mistaken for scales of Labradorite, a lime-soda form; color gold. Biotite is a black or dark green variety of mica. Phlogopite is a yellowish brown, or brownish-red variety usually found in granular limestone. Lepidolite occurs in aggregations of forms a part of most varieties of delerite scales of a lilac or rose-red color, containing the rare metal lithium.

The asteroids, or minor planets, are some varieties have other elements in situated in a ring or cluster between Mica usually occurs in plates or scales, their diameters being about two hun-