

in the planetary system, yet they are not of so direct importance to us as this one. (1.) Her body is dark, uneven, spherical and apparently like our earth in matter and form. (2.) That the bright parts are the more eminent parts of the land, as mountains, islands, &c. (3.) The dark parts are thought to be seas, lakes, valleys, &c., which reflect no light. (4.) It is said there is an atmosphere of air about her, and if so, then (5.) there is wind, clouds rain, &c., as here; (6.) and in consequence is inhabited by living beings of some kind. (7.) The diameter of the moon is about 2175 English miles; her circumference 6829; her superficies 14,855,440 square miles, her solid contents 5,386,333,000 solid or cubic miles; yet of late these figures are doubted; and a final conclusion is not accepted yet. (8.) The moon revolves about the earth with a very irregular and elliptic motion, in about 27 days, 7 hours and 33 minutes, at a mean rate, from west. to east. (9.) The mean diurnal arch described by the moon is, therefore,  $30^{\circ} 10'$  of the ecliptic. (10.) By this means she appears to rise and set each day about an hour later than another, (11.) according to the different position of the moon in her orb. With respect to the sun and earth she puts on various aspects and phases, as new, first quarter, second quarter, third quarter and full. (12.) And since the moon never appears at the same distance from the sun of a different face. It appears she must have a diurnal motion about her own axis, completed in the same time as her periodical revolution about the earth. (13.) That the lunarians have their days and months of equal length.

Some very good works of latest scientific improvements are published, with full details upon phisiology, quite recently, which I can obtain for any one desirous of entering into this subject fully.

#### MISCELLANEOUS RECIPES.

**FOR BROKENWINDED CATTLE.**—take water agrimony and cut it up with their food.

**TO STRENGTHEN THE LUNGS.**—the water, agrimony, boiled and a half cupful of the decoction drank every morning is one of the greatest strengtheners of the lungs that nature affords.