

# Our Moon

- ◆ Has a nearly \_\_\_\_\_ orbit around the Earth
- ◆ Distance of 384 000 km from Earth
- ◆ One rotation takes 27 1/3 \_\_\_\_\_
- ◆ One \_\_\_\_\_ around the Earth takes 27 1/3 days
- ◆ Reflects light from the \_\_\_\_\_
- ◆ No atmosphere so all UV rays from the Sun reach the surface
- ◆ Gravity is only 1/6 of the \_\_\_\_\_'s gravity
- ◆ Craters are deep depressions on the surface caused by meteorites
- ◆ Maria (or 'seas') are large smooth areas on the surface covered by plains of grey basalt – like rock
- ◆ Lunar highlands and rilles ( long steep-sided valleys) cover the rest of the surface

## **THE PHASES OF THE MOON**

- ◆ 'Moonlight' – The Moon does not make its own light. It reflects light from the Sun. Half the Moon is always in sunlight, just as half the Earth has 'day' and the other half has 'night'. From Earth, we can only see 50 % of the Moon at any time.
- ◆ 8 Moon Phases each Lunar Month of 27.3 days
  1. N \_\_\_\_\_ M \_\_\_\_\_ - The face of the Moon facing Earth is completely in shadow ('No Moon'). The Sun, the Moon and the Earth are in line.
  2. W \_\_\_\_\_ C \_\_\_\_\_ – A horn-shaped part of the Moon is illuminated.
  3. F \_\_\_\_\_ Q \_\_\_\_\_ – Only half of the face of the Moon facing Earth is illuminated.
  4. W \_\_\_\_\_ G \_\_\_\_\_ – More than half of the face we see is illuminated.
  5. F \_\_\_\_\_ M \_\_\_\_\_ – All of the face we see is illuminated. The Sun, the Earth and the Moon are in a line.
  6. W \_\_\_\_\_ G \_\_\_\_\_ – More than half of the face we see appears lit.
  7. L \_\_\_\_\_ Q \_\_\_\_\_ – Only half of the face we see appears lit.
  8. W \_\_\_\_\_ C \_\_\_\_\_ – A horn-shaped part of the Moon facing Earth is illuminated.