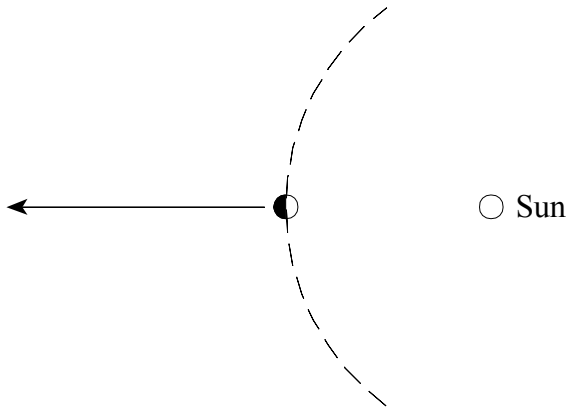


Level 7 answers

1. (a) (i) because the Earth was rotating **or** spinning 1
accept 'the Earth was moving'
do not accept 'the stars move' or 'the camera turned'
- (ii) any **one** from 1
 • it is on **or** close to the earth's axis
 • it is above the North Pole
accept 'above the point of rotation'
accept 'it is due North or North of the Earth'
do not accept 'above the earth'
- (b) 6 1
accept '5' or '7'

[3]

2. (a) (i) because the Earth turns **or** spins **or** rotates 1
do not accept 'because the Earth moves'
- (ii) east to west *both words are required for the mark* 1
- (b) horizontal arrow pointing to the left 1



- (c) any **one** from 1
 • it is behind the Sun *accept 'it is the other side of the Sun'*
 • the Sun is in the way
 • it is below the horizon all night
accept 'the night side of the Earth faces the other way'
or 'it is always on the day side of the Earth'

[4]

3. (a) (i) any **two** from 2
 • light from the Sun *do not accept 'light from the Sun and stars'*
 • reflected from the moons' surfaces
do not accept 'the Sun reflects off the surface'
 • travels from the moons to the eyes
accept 'they reflect sunlight' for both marks

- (ii) any **one** from 1
- they reflect different amounts of light
accept 'they have different albedos'
accept 'some are dark' or 'they are different colours'
 - they are not the same size
accept 'one could be partly in the shadow of Jupiter or another moon'
- (b) 0.68 *the unit is not required for the mark* 1
accept answers from 0.65 to 0.70
- (c) the Sun 1
planets *both answers are required for the mark*

[5]