

# The Earth-Moon system and the tides

AST

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Complete this Concept Review so you can keep a record of what you have learned.

## Definitions

- A tide is \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- Tidal energy is \_\_\_\_\_  
\_\_\_\_\_

## Characteristics of the Moon

- Average diameter: \_\_\_\_\_
- Theory on its origins: \_\_\_\_\_  
\_\_\_\_\_
- Duration of the Moon's rotation on its axis: \_\_\_\_\_
- Duration of the Moon's revolution around the Earth: \_\_\_\_\_  
\_\_\_\_\_

## Tidal range

Definition	Factors influencing tidal range
_____ _____ _____ _____	<ul style="list-style-type: none"> <li>• _____</li> <li>• _____</li> <li>• _____</li> </ul>

## Advantages and disadvantages of tidal power plants

Advantages	Disadvantages
_____ _____ _____ _____ _____ _____	_____ _____ _____ _____ _____ _____