

Colonising Mars — Revision Booklet

Name:

Date:

INQUIRY

Key facts for the Mars IDU.

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Mars basics	228M km from Sun. 38% g. -60°C. 95% CO ₂ . 687-day year.
5 challenges	Radiation, atmosphere, temperature, gravity, psychology.
Colony needs	Habitat, food(hydroponics), water(ice), oxygen(MOXIE), energy(solar+nuclear).
Space players	China(Zhurong/Tiangong), NASA(Perseverance/Artemis), SpaceX(Starship), ESA,
Ethics	Planetary protection, Outer Space Treaty, terraforming debate, colonisation parallels.

Key Ideas

1. Design a one-day schedule for a Mars colonist. Include: exercise, food production, maintenance, research, rest. Justify each time allocation. [4 marks]