

TRAPPIST-1 exoplanets

too hot for life

too cold for life

Liquid water possible on rocky surface

TRAPPIST-1 star

1b

1c

1d

1e

1f

1g

1h

Venus

Earth

Mars

Mercury

10.0

1.0

0.1

Exoplanet mass (Earth units)

▶ Relative sizes of exoplanets, planets and stars are to scale.

Heating from starlight (Earth units)

Illustration: Jenny Leibundgut

10.0

5

2

1.0

0.5

0.2

0.1