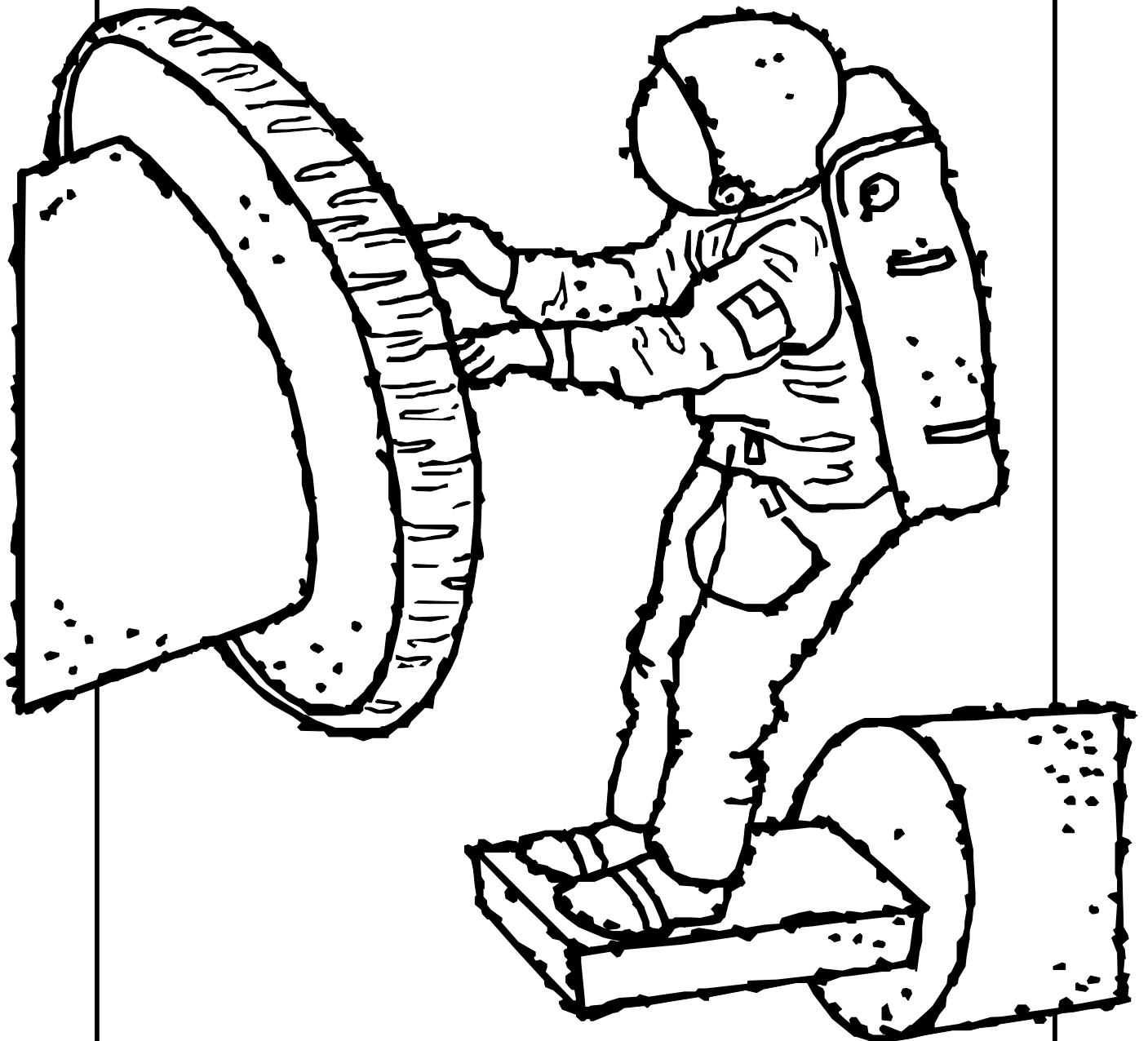


Space Topic Worksheets Science KS2



Designing Habitats

You have landed on a planet similar to Earth but all animals have been wiped out! The conditions in the area are similar to those found in a woodland habitat. You need to repopulate the zone with animals from Earth that would thrive in these conditions. Which animals would you introduce to this area? Consider food chains when selecting your animals - everything must have something it can eat!

Designing Habitats

You have landed on a planet similar to Earth but all animals have been wiped out! The conditions in the area are similar to those found in an African savannah habitat. You need to repopulate the zone with animals from Earth that would thrive in these conditions. Which animals would you introduce to this area? Consider food chains when selecting your animals - everything must have something it can eat!

Designing Habitats

You have landed on a planet similar to Earth but all animals have been wiped out! The conditions in the area are similar to those found in a desert habitat.

You need to repopulate the zone with animals from Earth that would thrive in these conditions. Which animals would you introduce to this area?

Consider food chains when selecting your animals - everything must have something it can eat!

My Own Planet

It is the year 2532 and the world has changed. Science has advanced to a point where people can now create planets. You are going to design your own planet. You will need to think about the habitats, animals, weather and resources found on your planet. Will you create one worldwide habitat or have different habitats in different locations? What animals will you include in each habitat? What food will need to be provided?

Use the space below to begin planning your planet.

Materials in Space

You are the head designer on a mission to explore a new planet. You need to design a portable shelter which can be used on the planet. It needs to protect the astronauts from the cold, wet weather. You need to select suitable materials for the shelter. Consider the materials below, and their properties, and decide which would be the best for your shelter and why you chose that particular material.

WOOD ALUMINIUM GLASS NYLON PLASTIC IRON RUBBER
POLYSTYRENE CORK COTTON WOOL FELT COPPER PAPER

Support Beams: Best material -

Shelter Cover: Best material -

Ground Cover: Best material -

Sleeping Bags: Best material -

Materials in Space

You are the head designer on a mission to explore a new planet. You need to design a portable shelter which can be used on the planet. It needs to protect the astronauts from the cold, wet weather. Design your shelter below, thinking about the structure and the materials you will need to use. Remember, your shelter needs to be light enough to carry around but strong and warm enough to keep the astronauts comfortable. Label your shelter with the materials you would use, along with their properties that make them suitable for the job.

Visiting the Planets

You have been asked to create a fact sheet about one of the planets in our Solar System. It must include details including size, distance from the sun, length of day/year, weather and any other facts you think are important. You can include a diagram of your planet if you wish. Use the space below to begin collecting your facts before creating your fact sheet.

Help! The Sun is Falling!

An alien has arrived on Earth and becomes very upset when he notices that the Sun is falling out of the sky! It is your job to explain to him what is happening. You need to explain what is causing the Sun to move across the sky towards the horizon. You can use diagrams or demonstrate how the Sun appears to move.

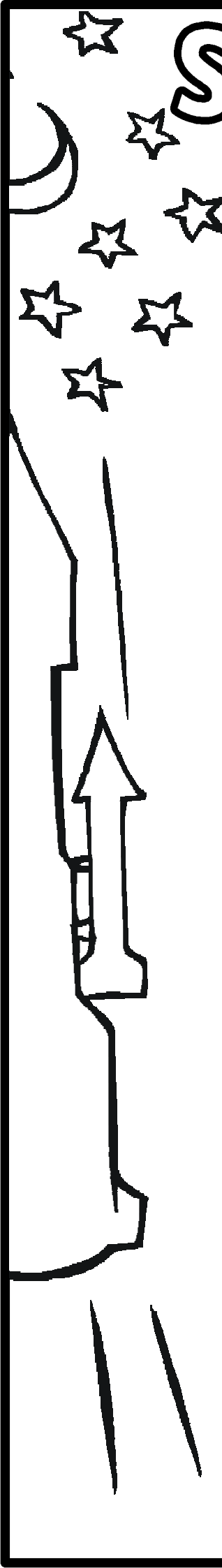
Help! The Moon is Vanishing!

An alien has arrived on Earth and becomes very upset, he thinks that the moon is made of cheese and an evil space mouse is eating it each night, making it smaller and smaller! It is your job to explain to him what is happening. You need to explain what is causing the Moon to appear smaller each night.

Let there be Light!

You are visiting a new planet but there is a big problem - the sun is so far away that it is as dark as night! You find a simple electronics kit in your backpack but someone forgot to pack a torch! Using the contents of your kit you need to create a circuit to make a bulb light. Experiment with making different circuits and draw one that works below. Can you find a way to make your light brighter?

Space Wordsearch



s b u r t h j l v i s s p k l
m o o n n a h i h t r a e o z
m l l p o i u y t r e t w q a
g a l a x y s v d f g e s h j
k l m n r b v e c x z l a q w
e r t y u s u n i o p l t l k
j h g f d s y u a z x i u c v
u r a n u s b s n m l t r i r
p t d s u w b n t u p e n o i
i c u y t r e w q e a s d o f
t g o h y r u c r e m j k t l
e m n m b v c x a s a d f u g
r h j k e p o a t u r y e l i
a s d f g t h j k l s m c p v
i h n e p t u n e s o e v n t

Sun

Mercury

Venus

Earth

Mars

Jupiter

Saturn

Uranus

Neptune

Pluto

Satellite

Moon

Comet

Galaxy

Solar System