

# NATURAL SCIENCES & TECHNOLOGY

RESOURCE PACK  
GRADE 4 TERM 4



**GRADE: 4**

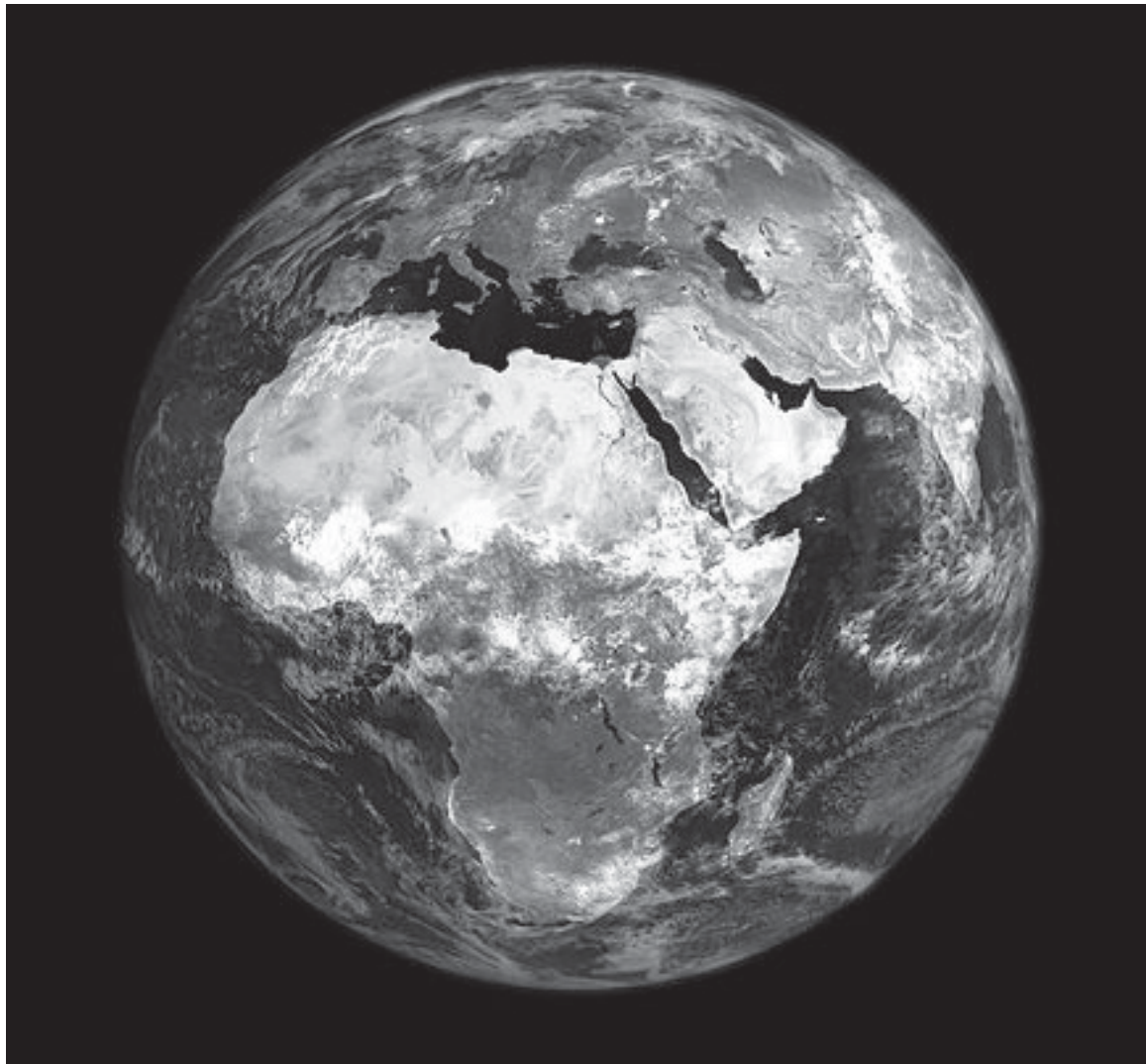
**TERM: 4**

**STRAND: PLANET EARTH AND BEYOND**

RESOURCE 1

[https://commons.wikimedia.org/wiki/File:Earth\\_-\\_Africa,\\_Middle\\_East\\_and\\_Europe\\_\(16728031541\).jpg](https://commons.wikimedia.org/wiki/File:Earth_-_Africa,_Middle_East_and_Europe_(16728031541).jpg)

PLANET EARTH



## RESOURCE 2

<http://www.thunderboltkids.co.za/Grade4/04-earth-and-beyond/chapter1.html>

### FEATURES OF THE EARTH



The Orange River



There are lots of rocks on this hill



A rocky sea shore



A deep valley between the mountains



Flat farmlands

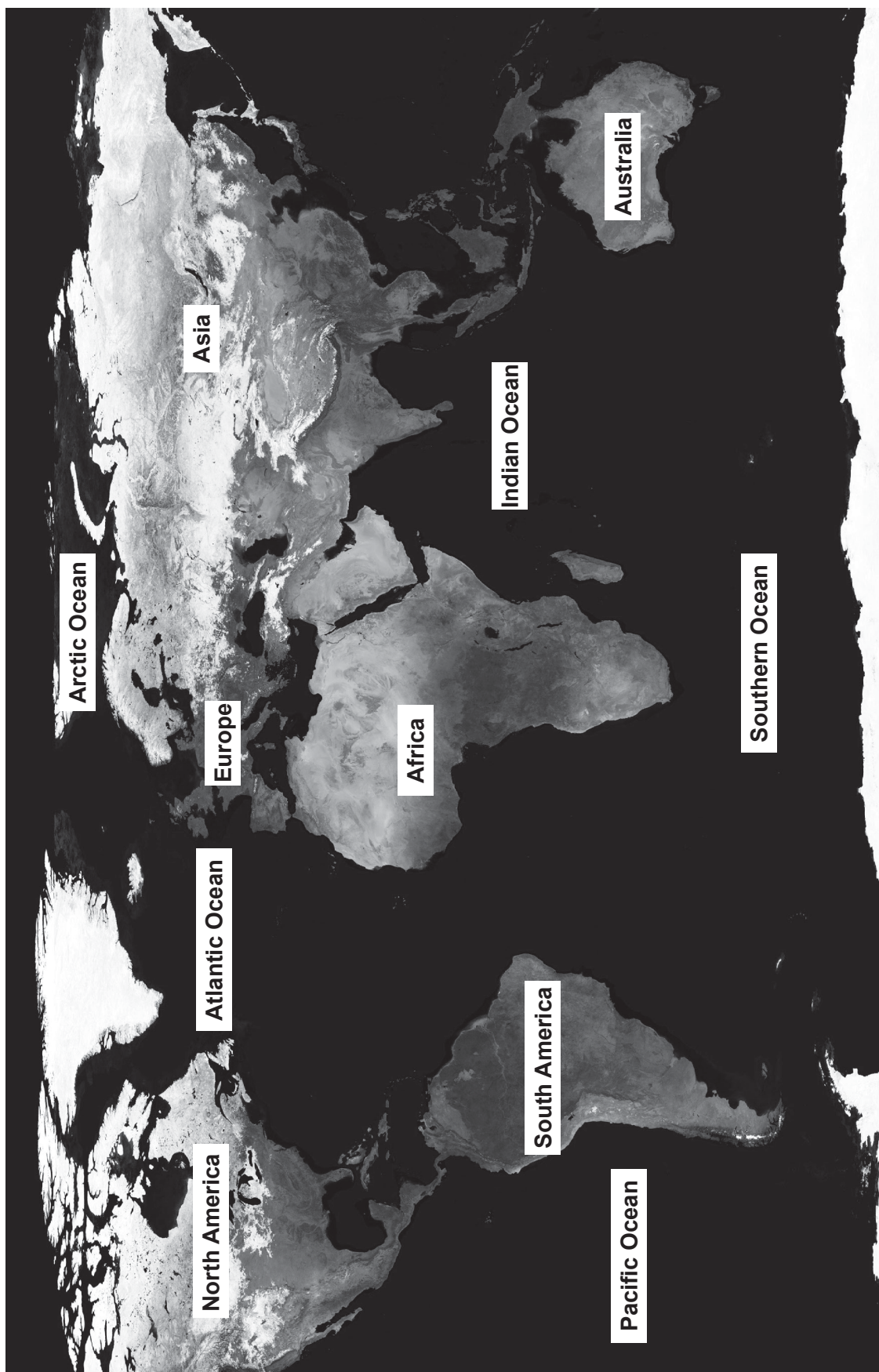


A river with mountains all around

## RESOURCE 3

[https://en.wikipedia.org/wiki/File:Whole\\_world\\_-\\_land\\_and\\_oceans\\_12000.jpg](https://en.wikipedia.org/wiki/File:Whole_world_-_land_and_oceans_12000.jpg)

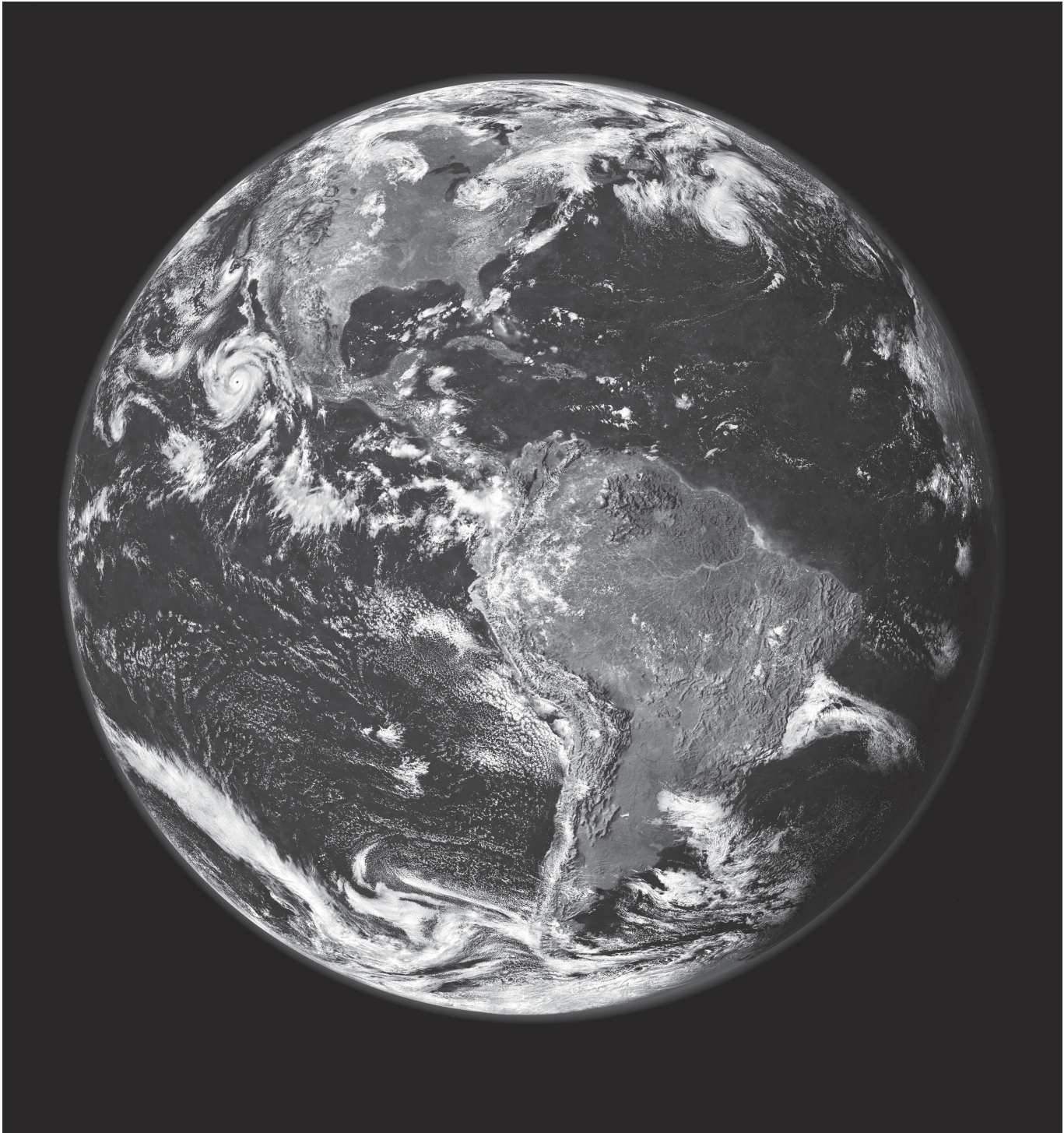
## CONTINENTS AND OCEANS



## RESOURCE 4

[https://en.wikipedia.org/wiki/File:Whole\\_world\\_-\\_land\\_and\\_oceans\\_12000.jpg](https://en.wikipedia.org/wiki/File:Whole_world_-_land_and_oceans_12000.jpg)

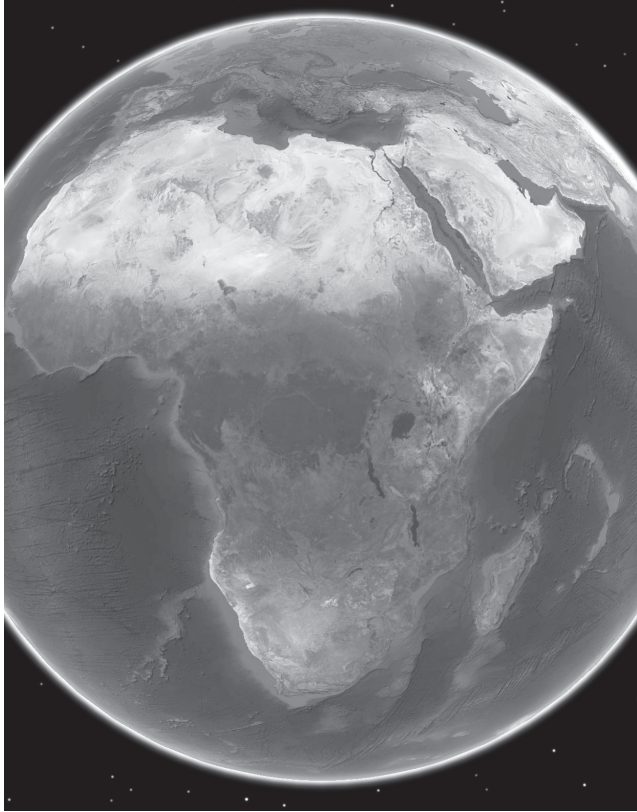
### THE VIEW OF THE EARTH FROM SPACE



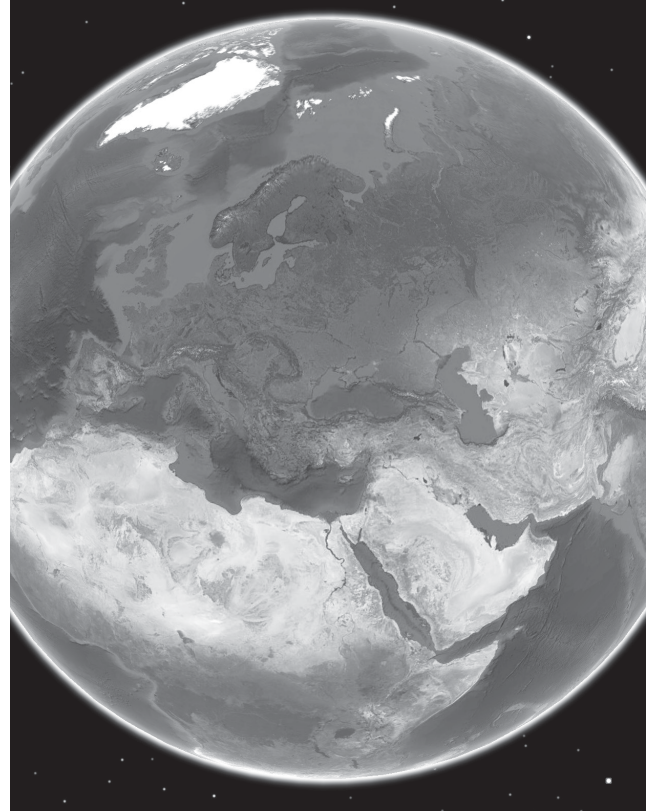
## RESOURCE 5

<https://earth.google.com/web/>

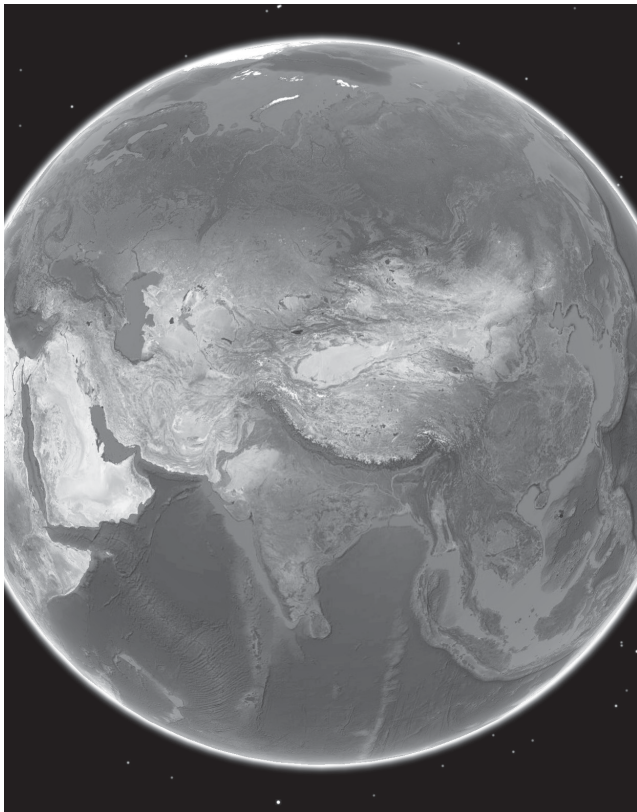
### VIEWS OF THE CONTINENTS FROM SPACE



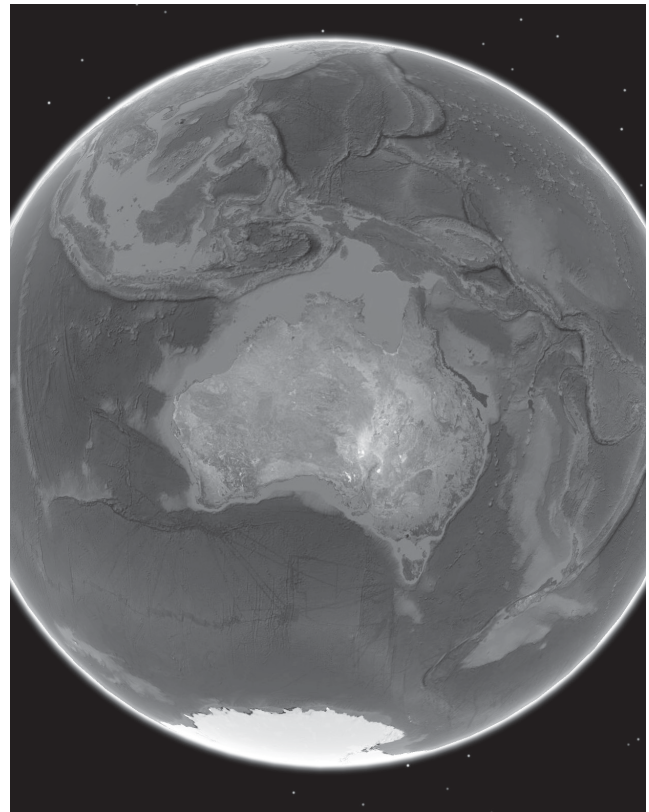
Africa



Europe



Asia

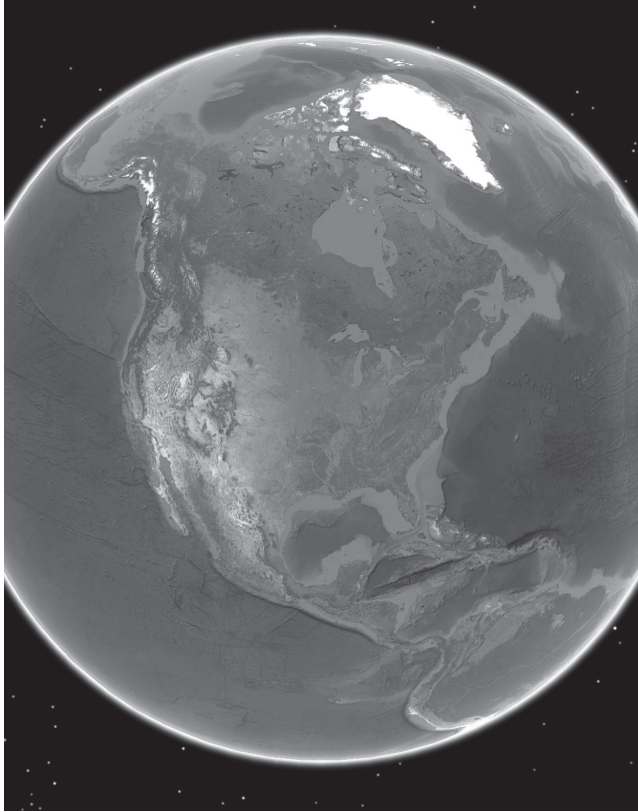


Australia

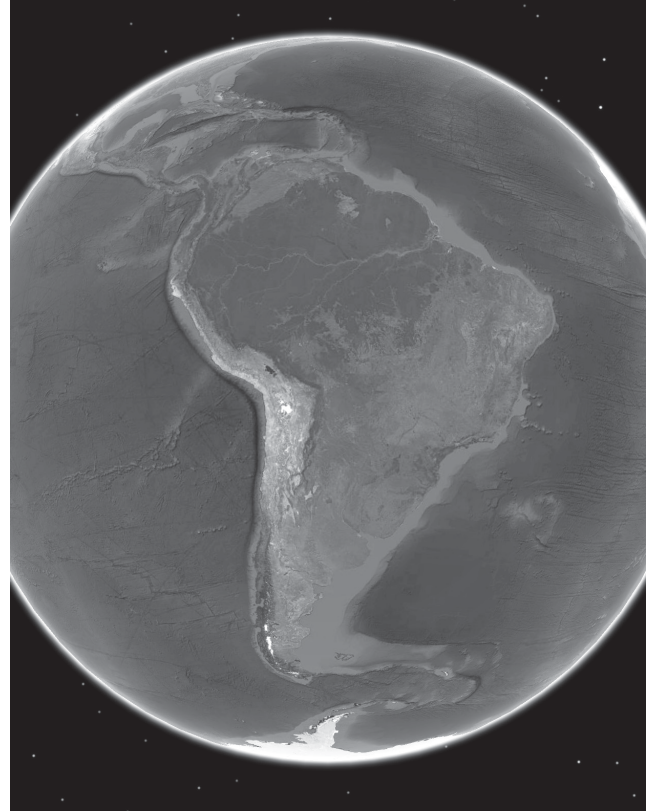
## RESOURCE 5

<https://earth.google.com/web/>

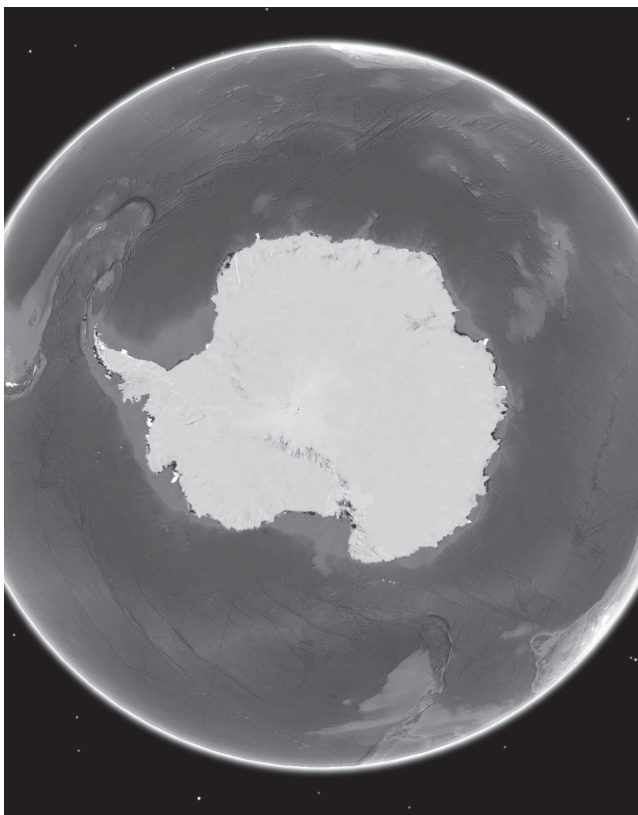
### VIEWS OF THE CONTINENTS FROM SPACE



North America



South America



Antartica

## RESOURCE 6

<https://earth.google.com/web/>

### BIRD'S EYE VIEW



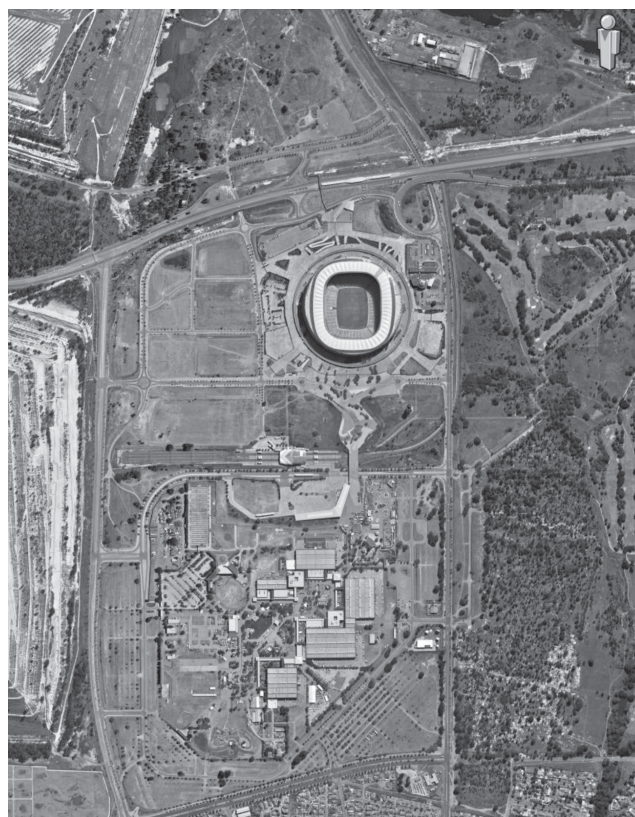
Bird's Eye View - Johannesburg City Centre



Bird's Eye View – Primary School



Low Bird's Eye View – Soccer City



High Bird's Eye View – Soccer City

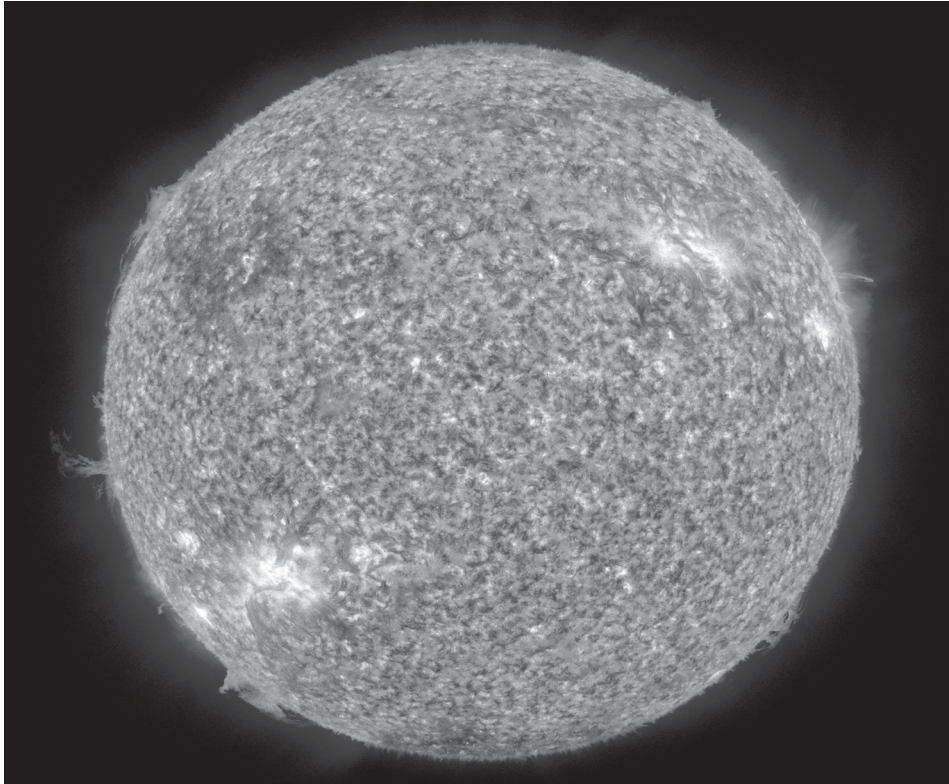


## RESOURCE 7

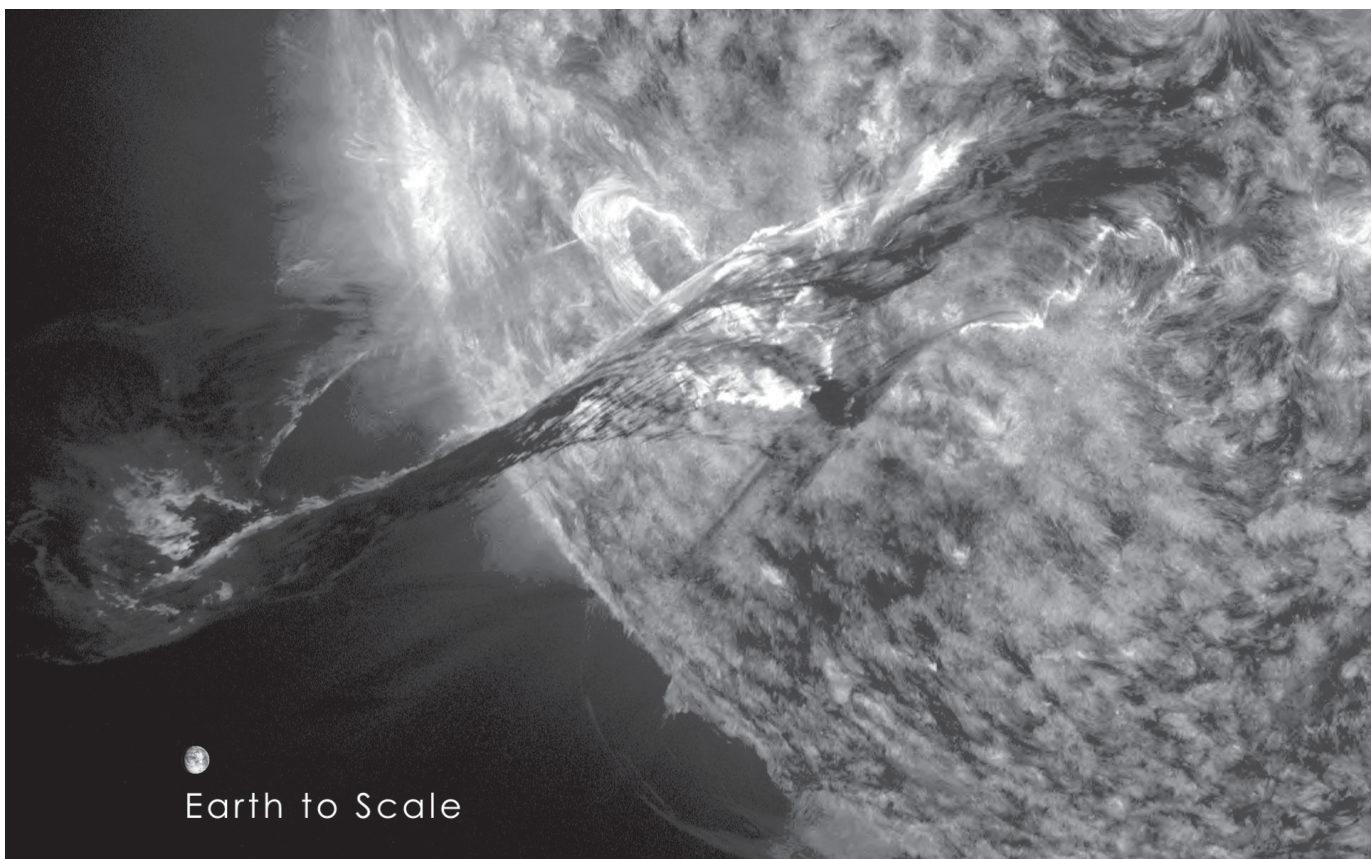
<https://simple.wikipedia.org/wiki/Sun>

<https://www.flickr.com/photos/gsfcr/7936905134>

## THE SUN



A close-up picture of the Sun



If the Earth was put near the Sun, this is how big it would be.

## RESOURCE 8

[https://commons.wikimedia.org/wiki/File:Hallig\\_Hooge,\\_Germany,\\_view\\_from\\_the\\_Backenswarft.jpg](https://commons.wikimedia.org/wiki/File:Hallig_Hooge,_Germany,_view_from_the_Backenswarft.jpg)

[https://commons.wikimedia.org/wiki/File:Solar\\_water\\_heater.jpg](https://commons.wikimedia.org/wiki/File:Solar_water_heater.jpg)

[https://commons.wikimedia.org/wiki/File:Sundial\\_2r.jpg](https://commons.wikimedia.org/wiki/File:Sundial_2r.jpg)

## USING THE SUN



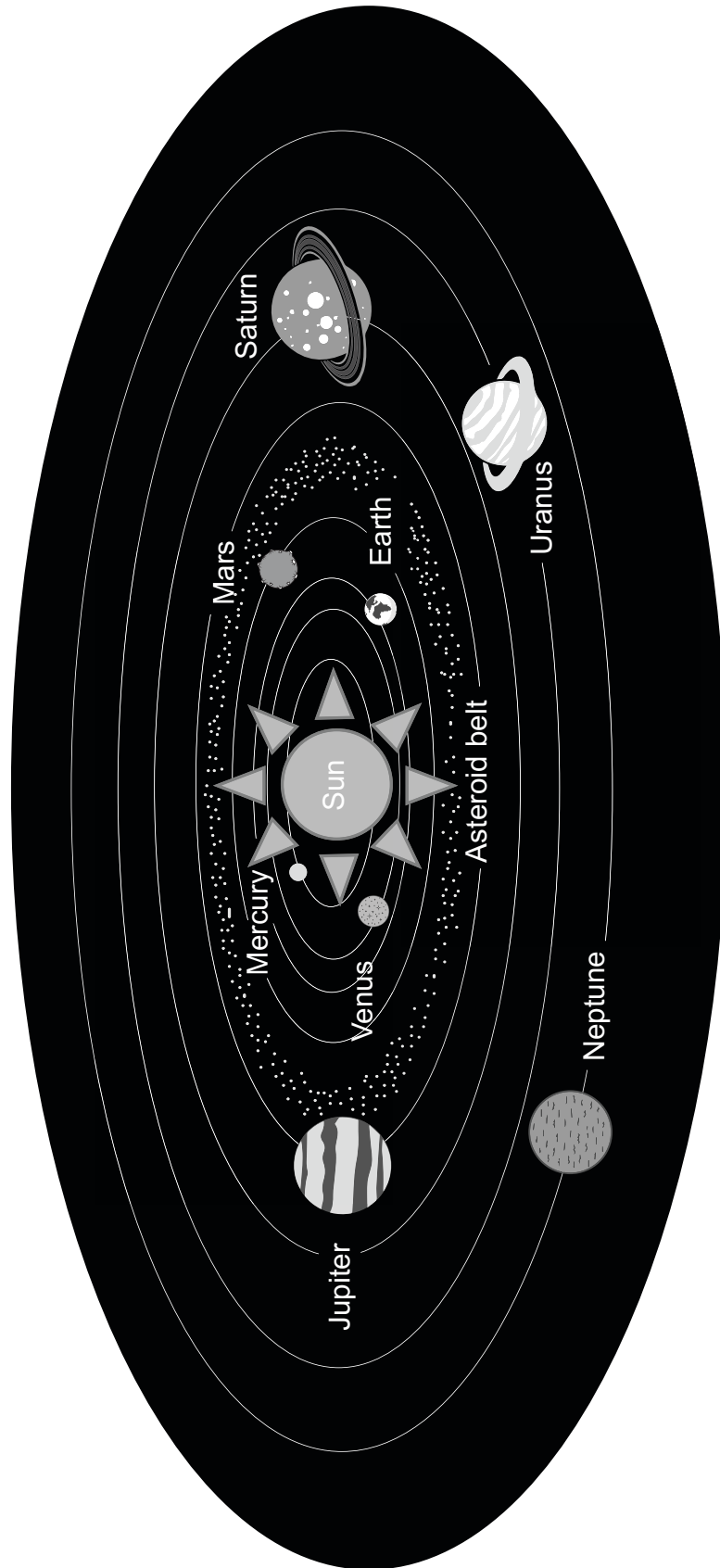
The sun dries our washing



The sun powers our geyser giving us hot water



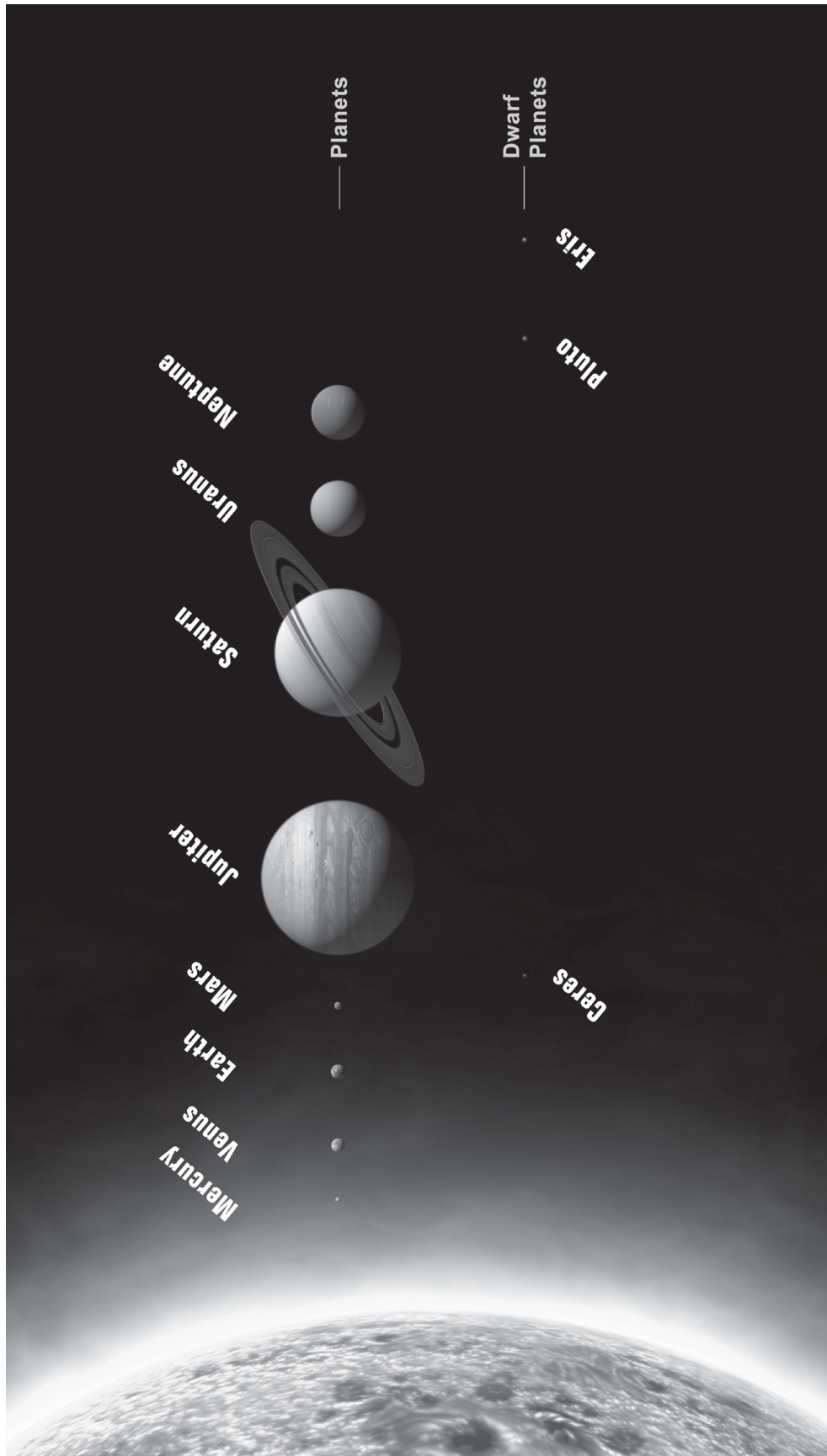
People used to use sundials like this to tell the time using the Sun



## RESOURCE 10

<https://en.wikipedia.org/wiki/Planet>

## THE PLANETS



## RESOURCE 11

<https://pixabay.com/en/photos/milky%20way/>

## STARS



## RESOURCE 12

<https://en.wikipedia.org/wiki/Moon>

### VIEW OF THE EARTH FROM THE MOON



## RESOURCE 13

<https://commons.wikimedia.org/wiki/File:Moon-craters.jpg>

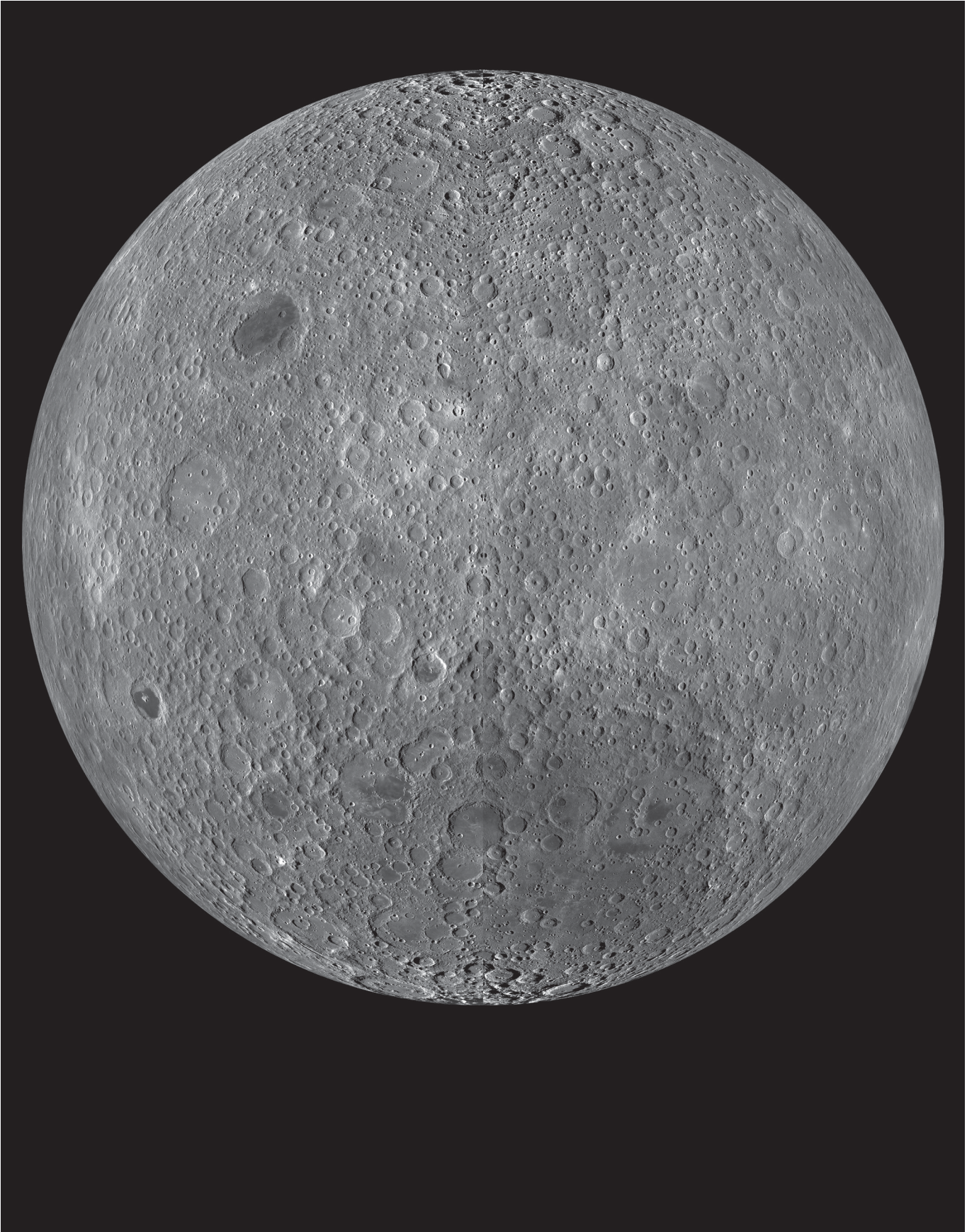
### SURFACE OF THE MOON



## RESOURCE 14

<https://en.wikipedia.org/wiki/Moon>

### THE MOON





## RESOURCE 15

<https://commons.wikimedia.org/wiki/Template:Potd/2009-04>

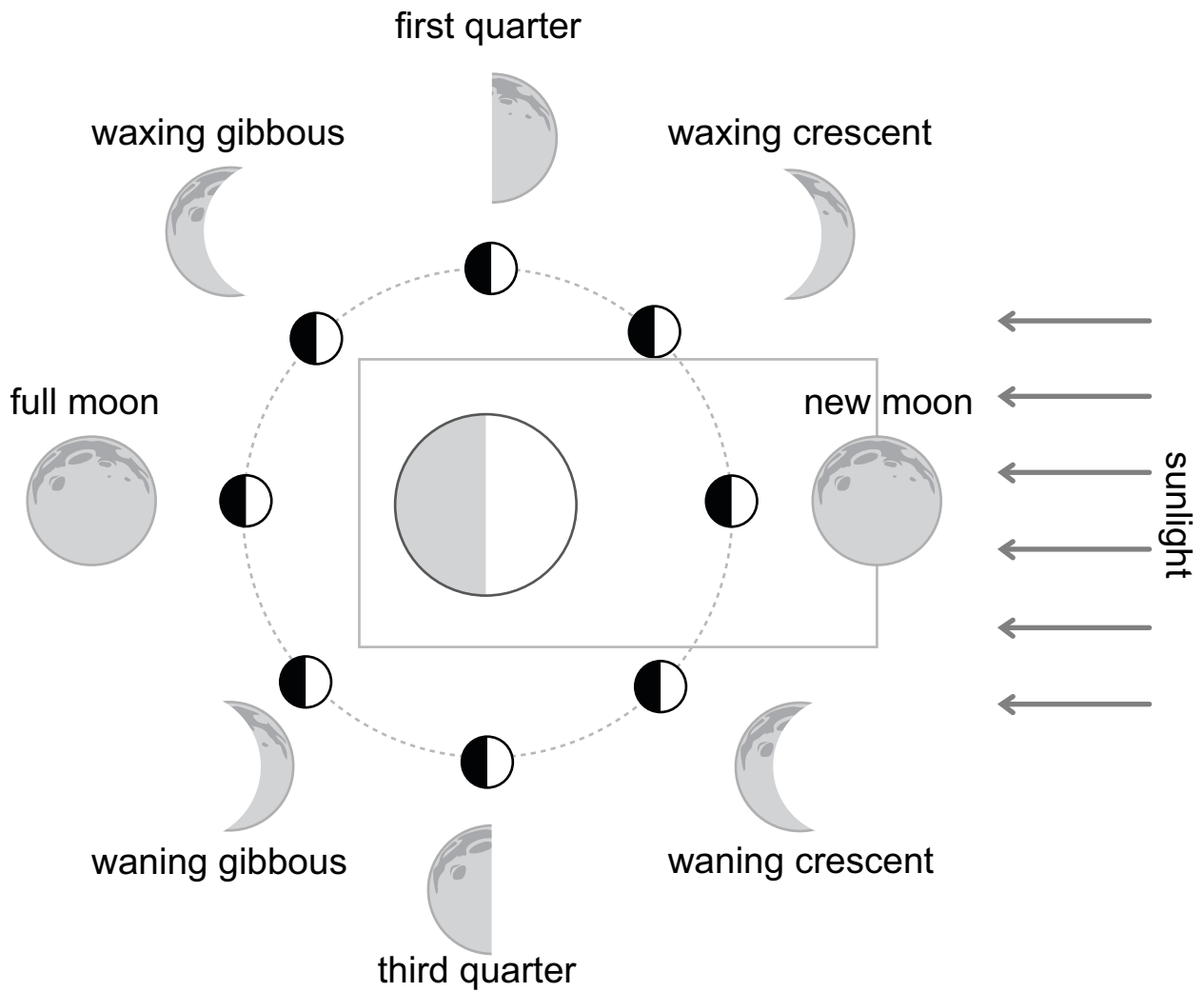
### THE FIRST MOON LANDING



# RESOURCE 16

<https://www.flickr.com/photos/spirit-fire/6801036620>

## PHASES OF THE MOON



## RESOURCE 17

[https://commons.wikimedia.org/wiki/File:US\\_Air\\_Force\\_060123-F-0000S-001\\_Atlas\\_V\\_launch.jpg](https://commons.wikimedia.org/wiki/File:US_Air_Force_060123-F-0000S-001_Atlas_V_launch.jpg)

## ROCKETS – ATLAS V



## RESOURCE 18

[https://www.nasa.gov/mission\\_pages/GLAST/launch/](https://www.nasa.gov/mission_pages/GLAST/launch/)

### ROCKETS - GLAST



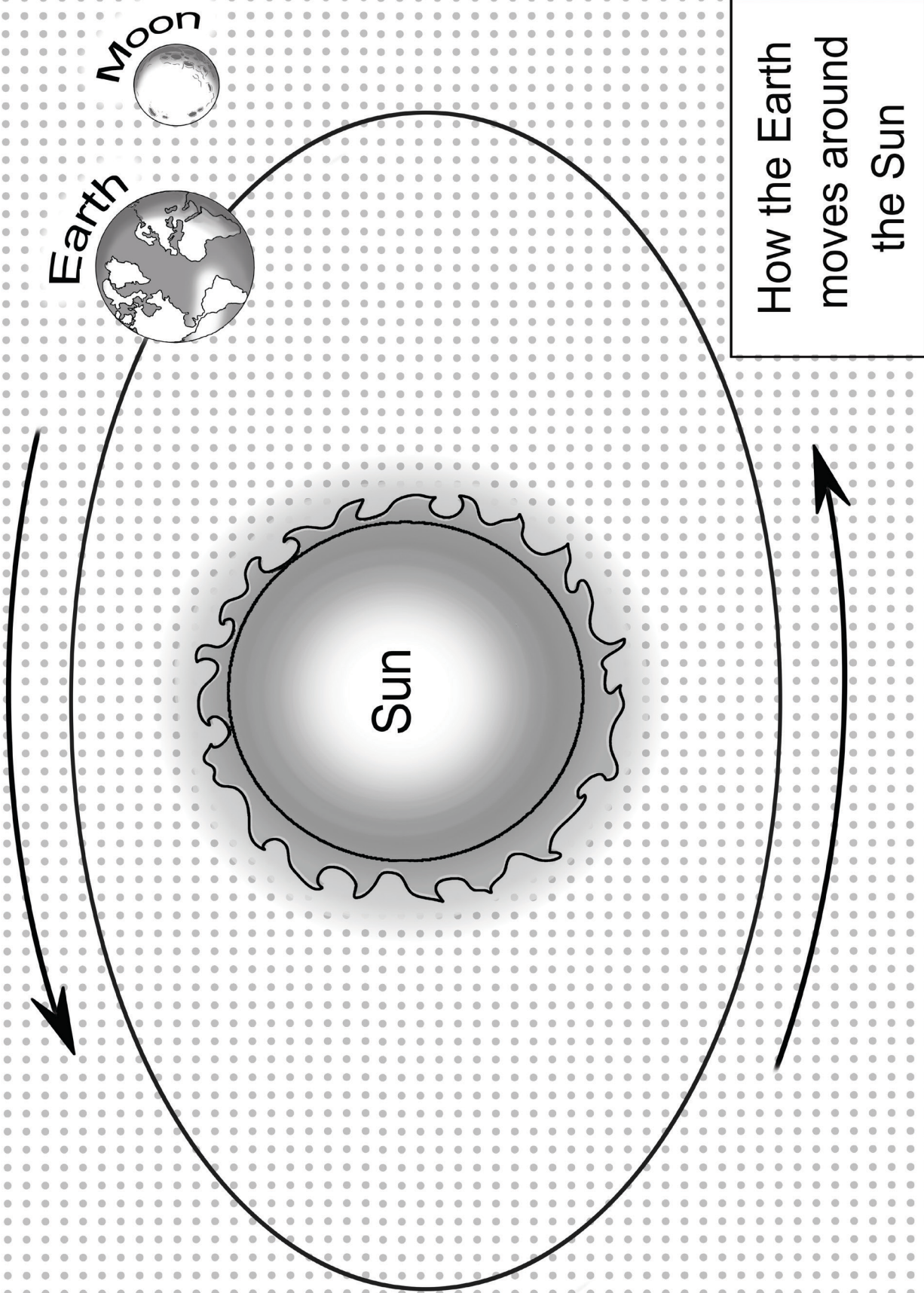
## RESOURCE 19

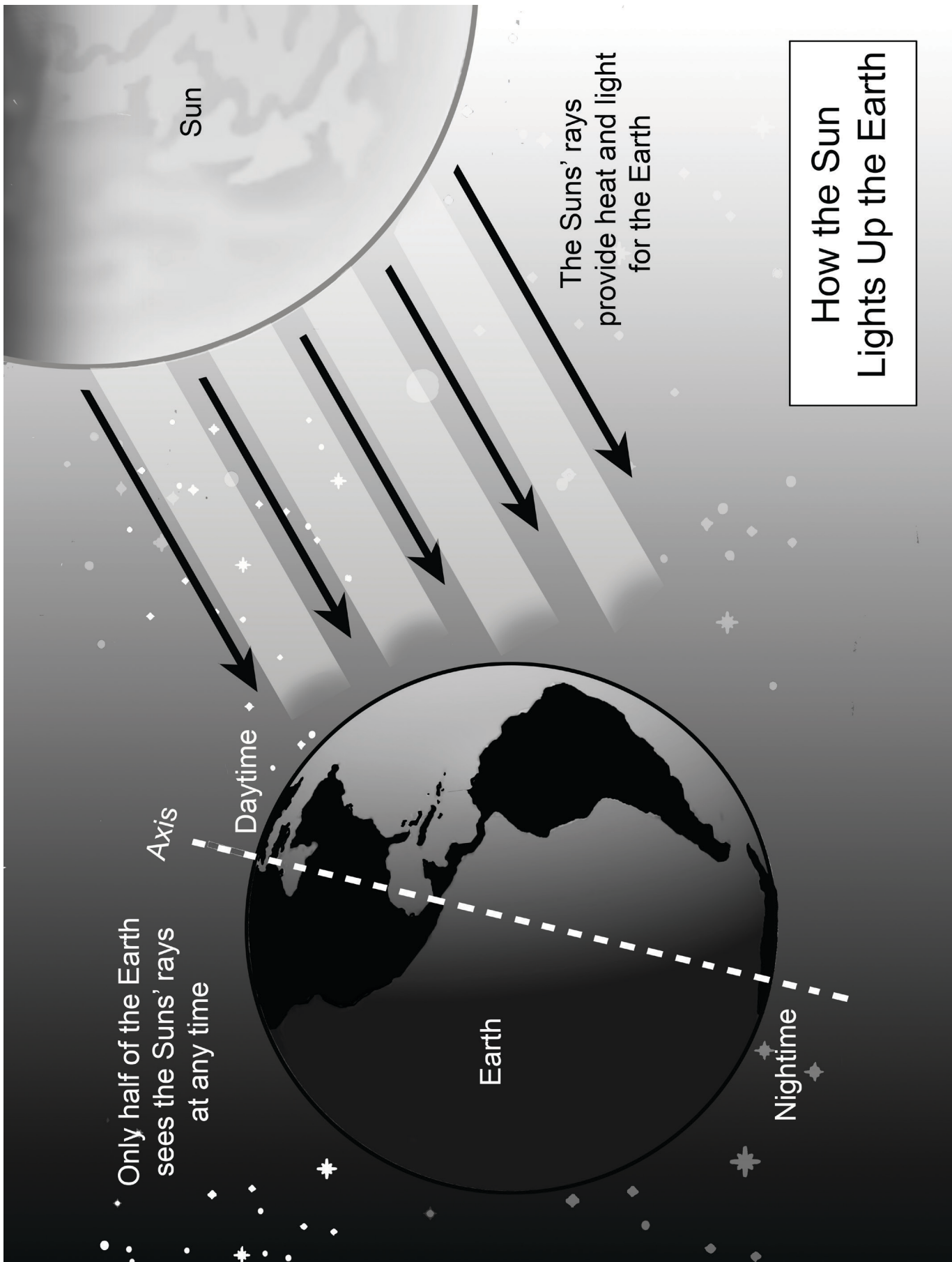
[https://no.wikipedia.org/wiki/Fil:Apollo\\_11\\_Saturn\\_V\\_lifting\\_off\\_on\\_July\\_16,\\_1969.jpg](https://no.wikipedia.org/wiki/Fil:Apollo_11_Saturn_V_lifting_off_on_July_16,_1969.jpg)

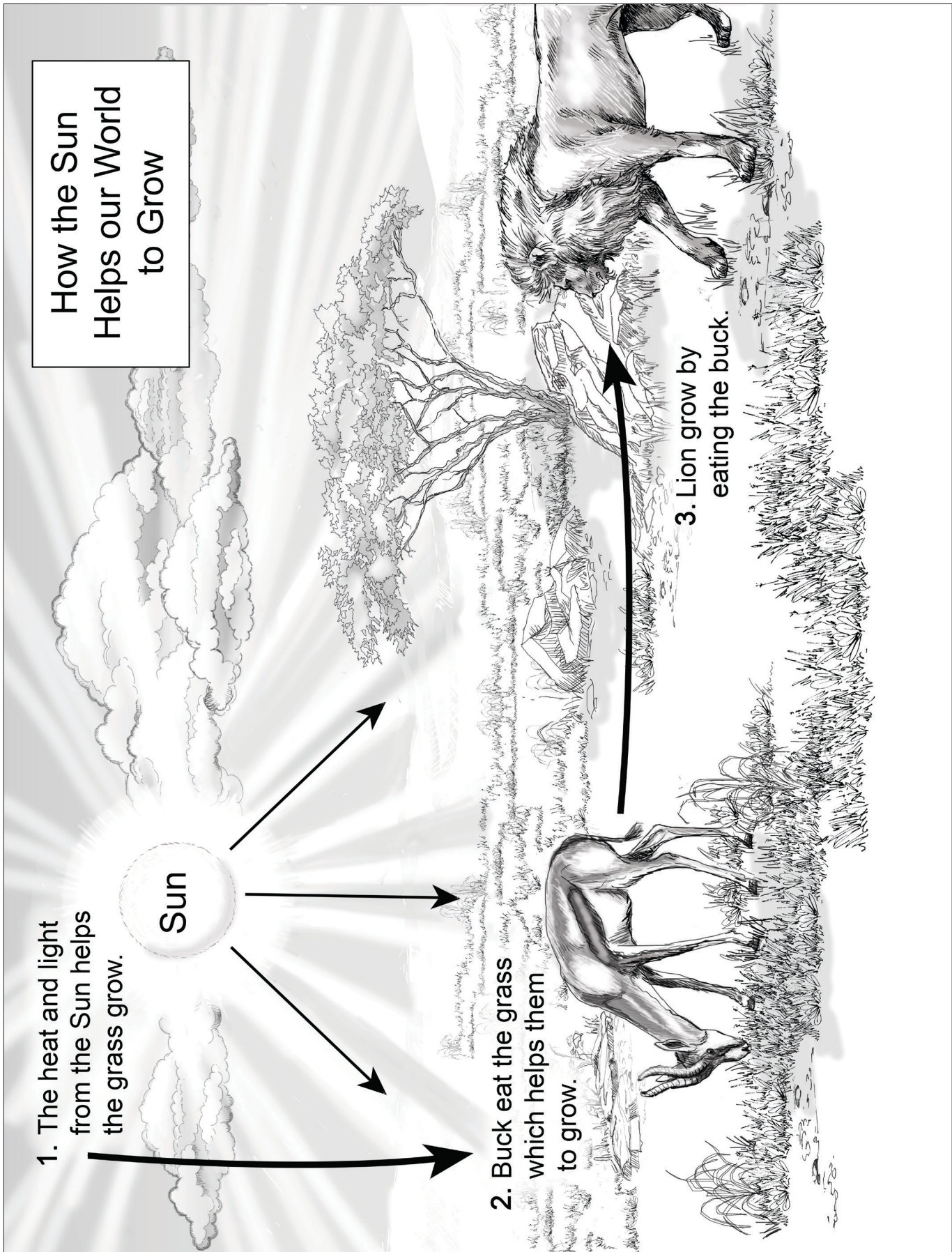
## ROCKETS – APOLLO 11



HOW THE EARTH REVOLVES AROUND THE SUN



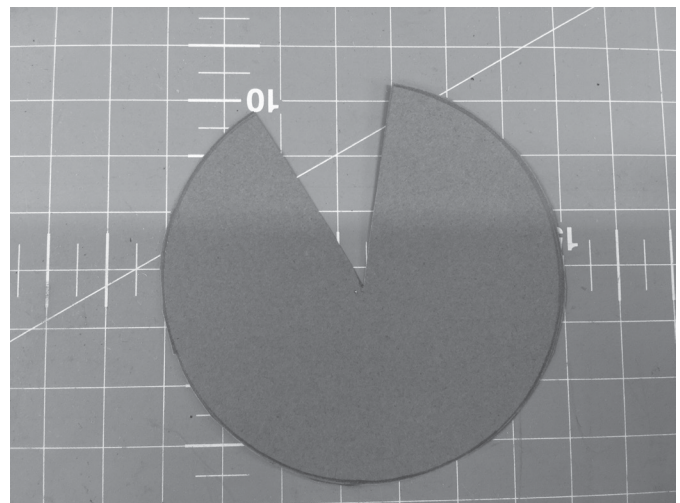
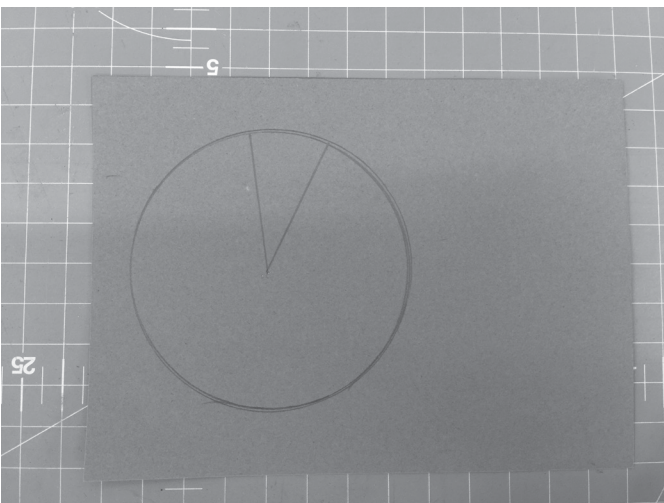
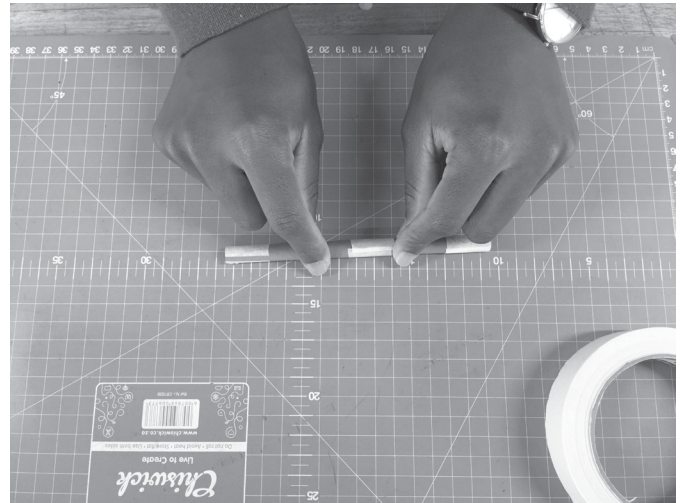
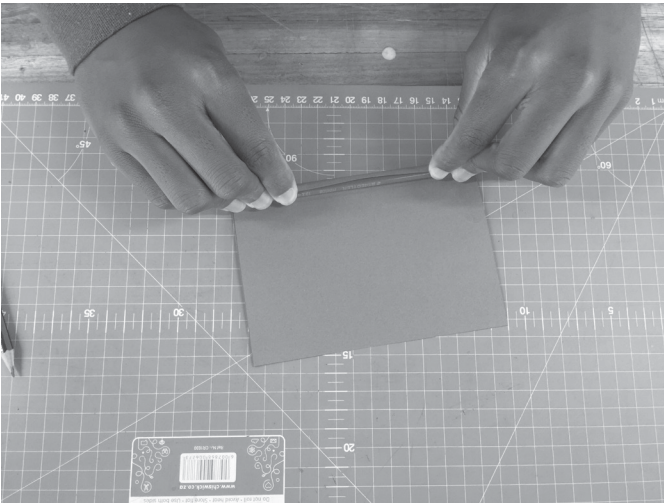
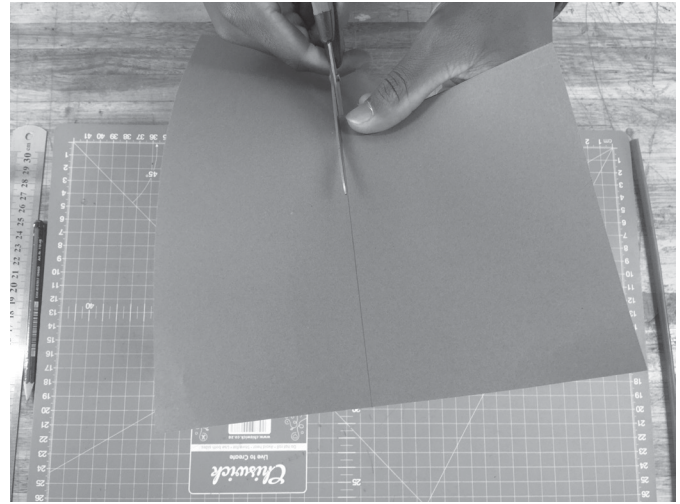
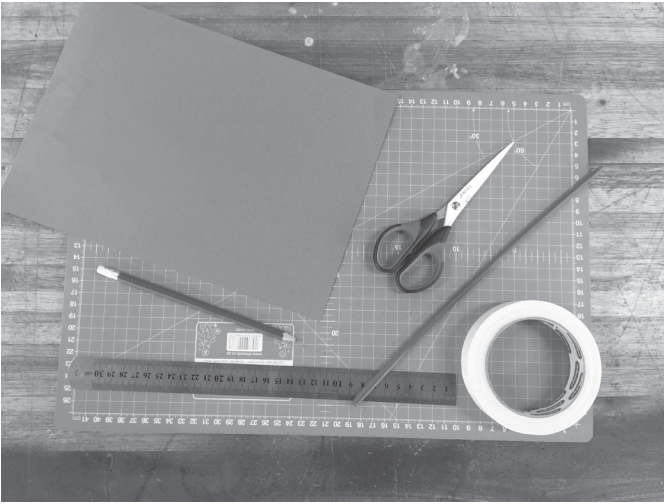






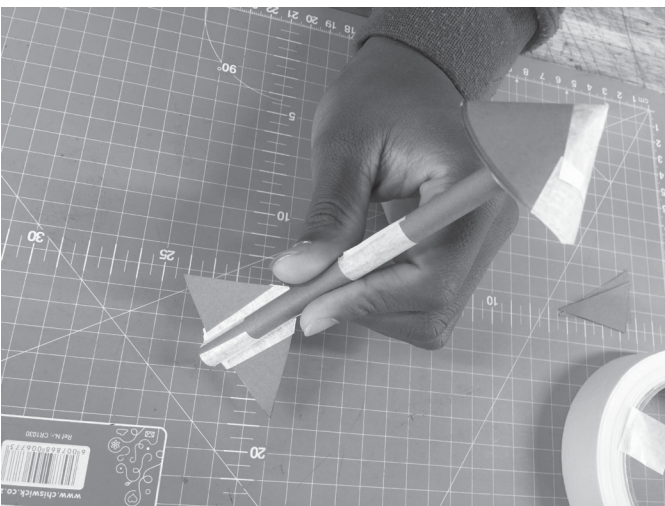
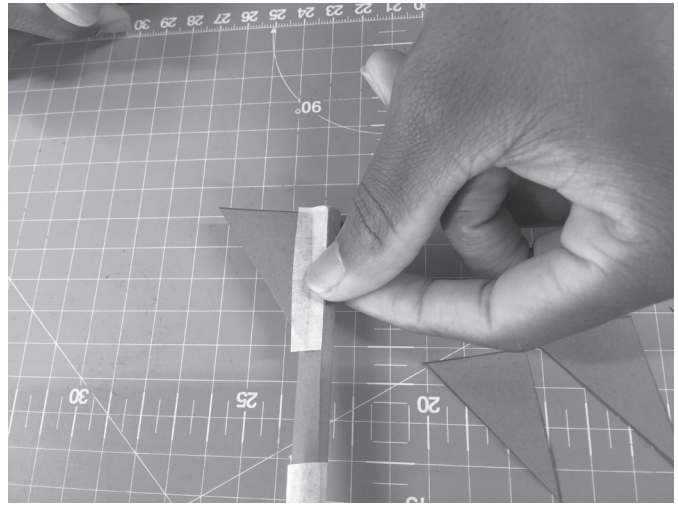
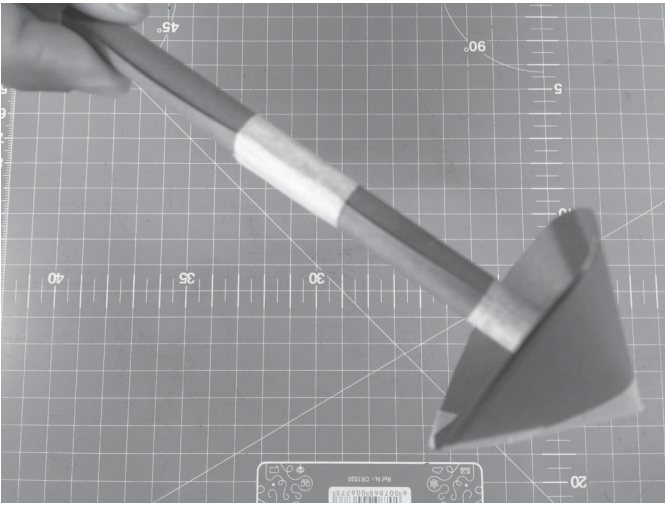
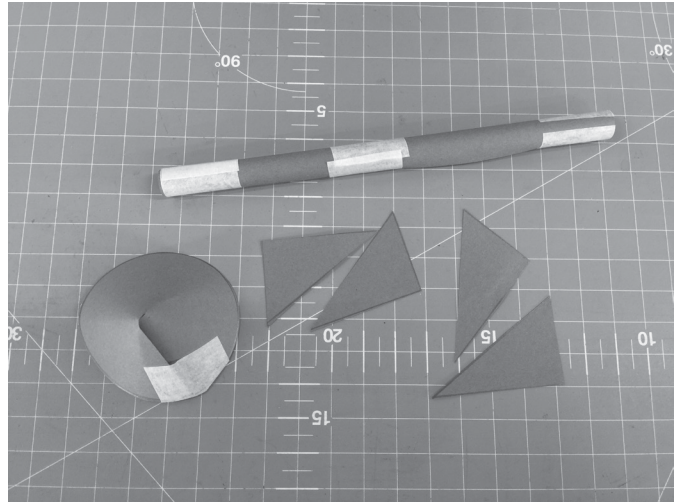
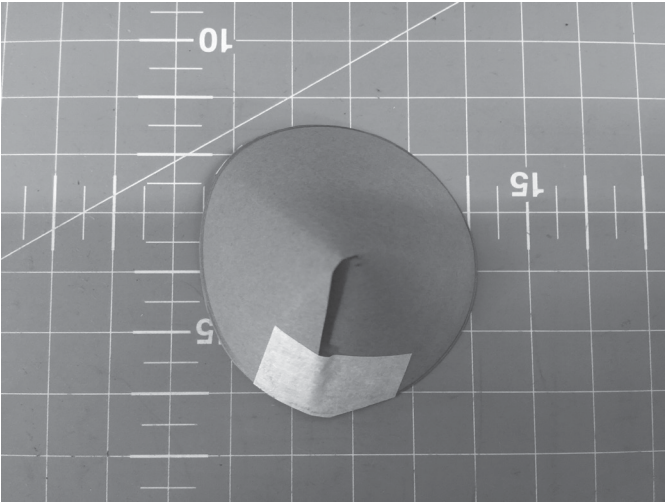
# RESOURCE 23

## PUFFER ROCKET



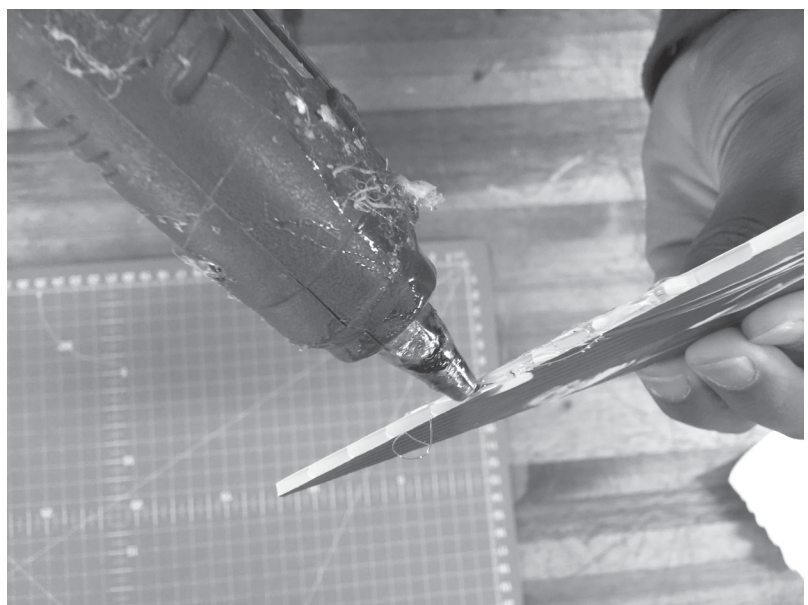
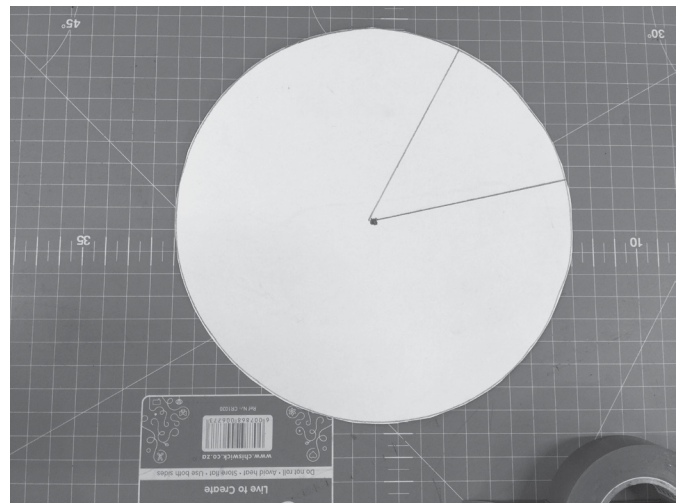
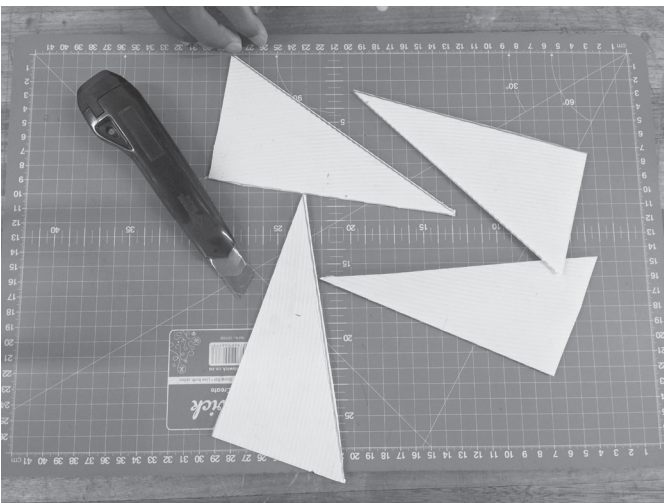
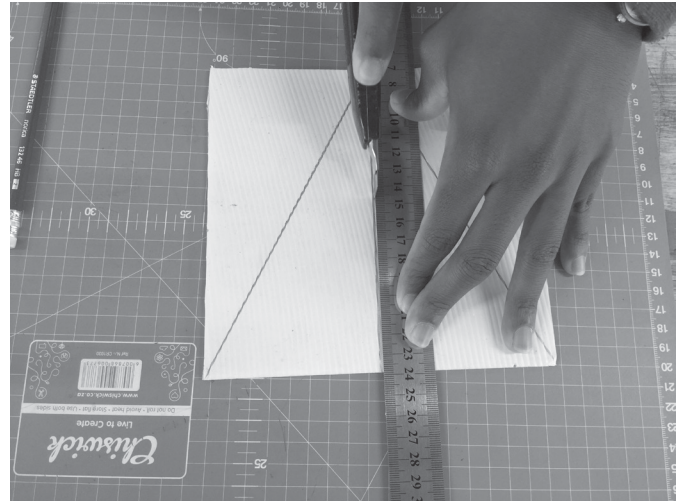
# RESOURCE 23

## PUFFER ROCKET



# RESOURCE 24

## BOTTLE ROCKET



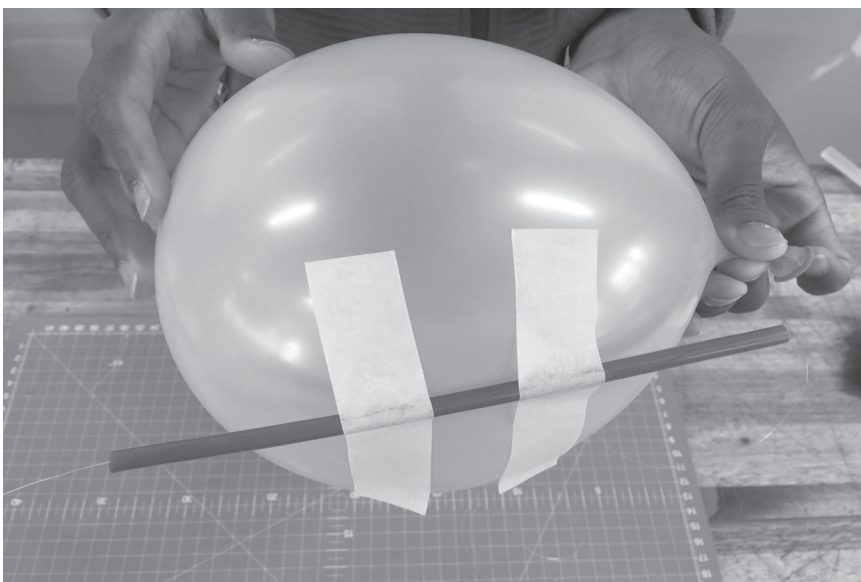
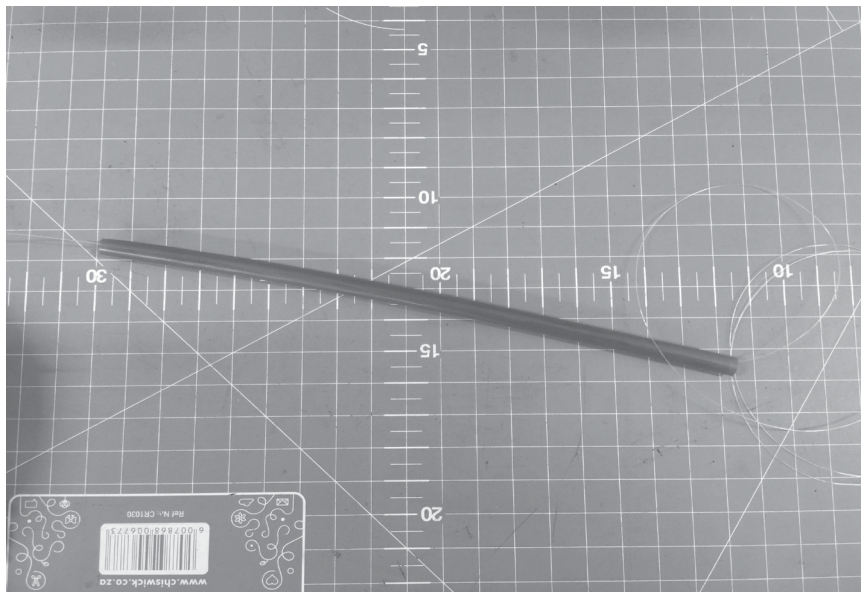
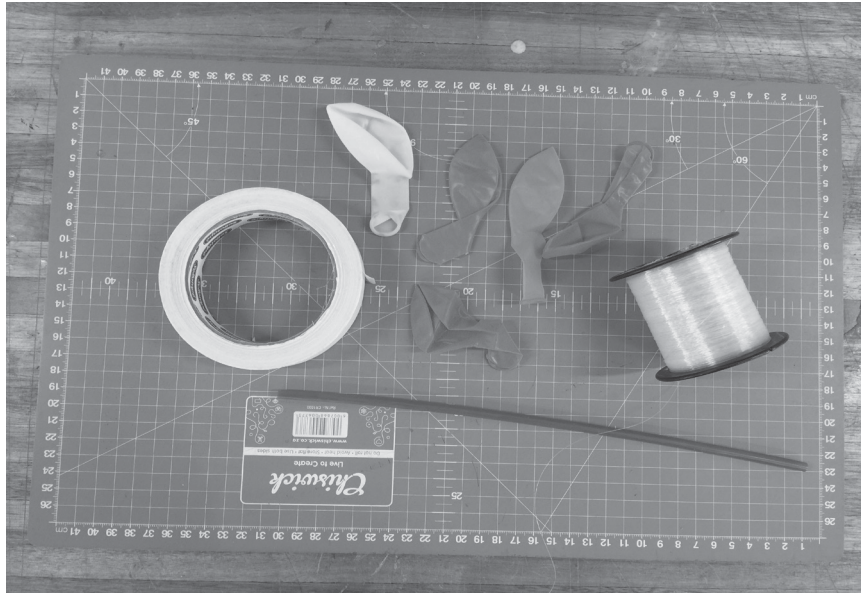
RESOURCE 24

BOTTLE ROCKET



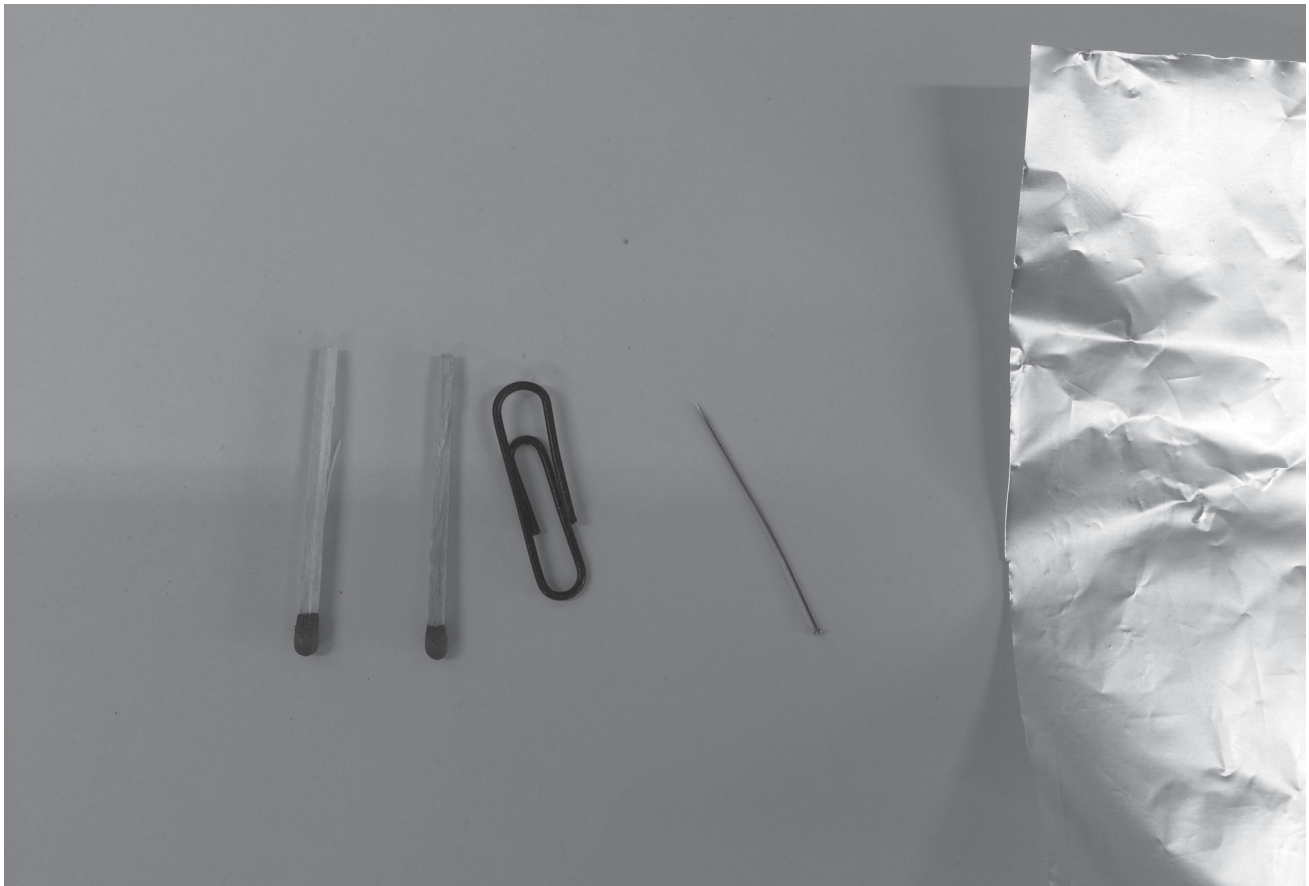
# RESOURCE 25

## BALLOON ROCKET



RESOURCE 26

MATCH STICKROCKET



RESOURCE 26

MATCH STICKROCKET

