

ASTRONOMY: SPACE EXPLORATION



Grade 1

Unit 4

Astronomy: Space Exploration

Flip Book

Acknowledgement:

Thank you to all the Texas educators and stakeholders who supported the review process and provided feedback. These materials are the result of the work of numerous individuals, and we are deeply grateful for their contributions.

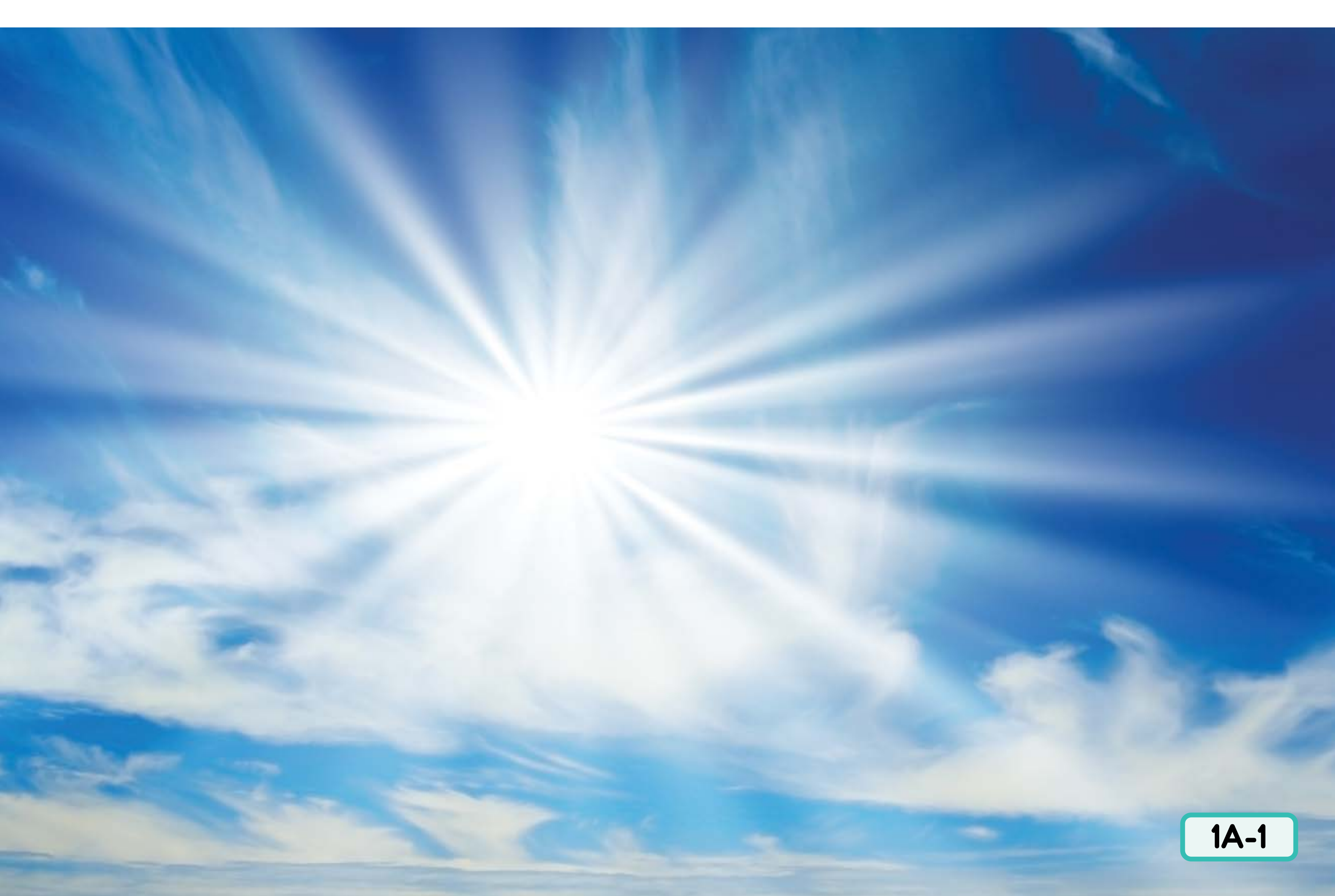
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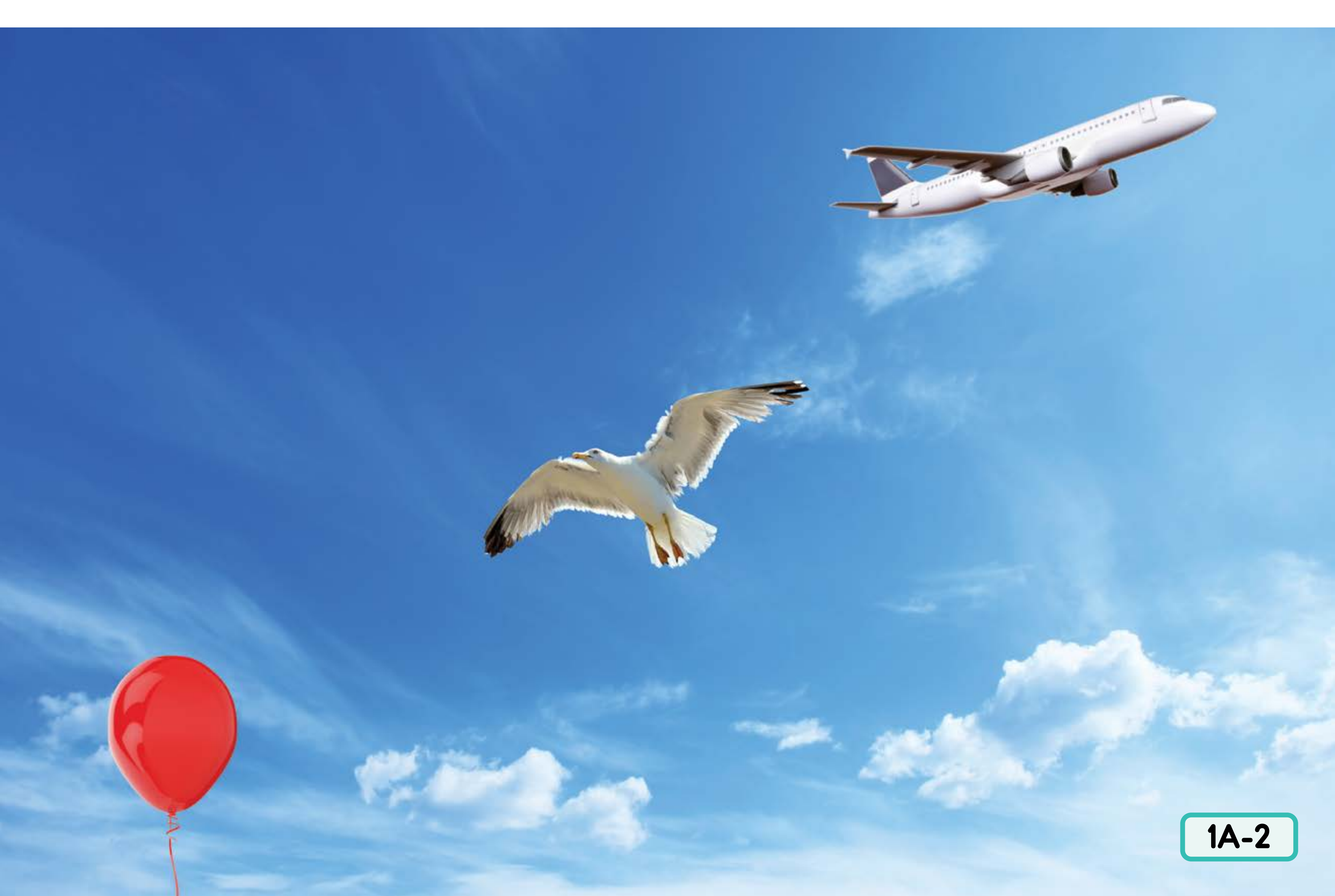
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Flip Book Introduction

This Flip Book contains images that accompany the Teacher Guide for *Astronomy: Space Exploration*. The images are in sequential order. Each image is identified by its lesson number, Read-Aloud letter (A or B), and the number of the image within the particular Read-Aloud. For example, the first image in Read-Aloud 1A is numbered 1A-1. Once you have worked your way through the book to the last page, you will flip the entire book over to view the second half of the images.

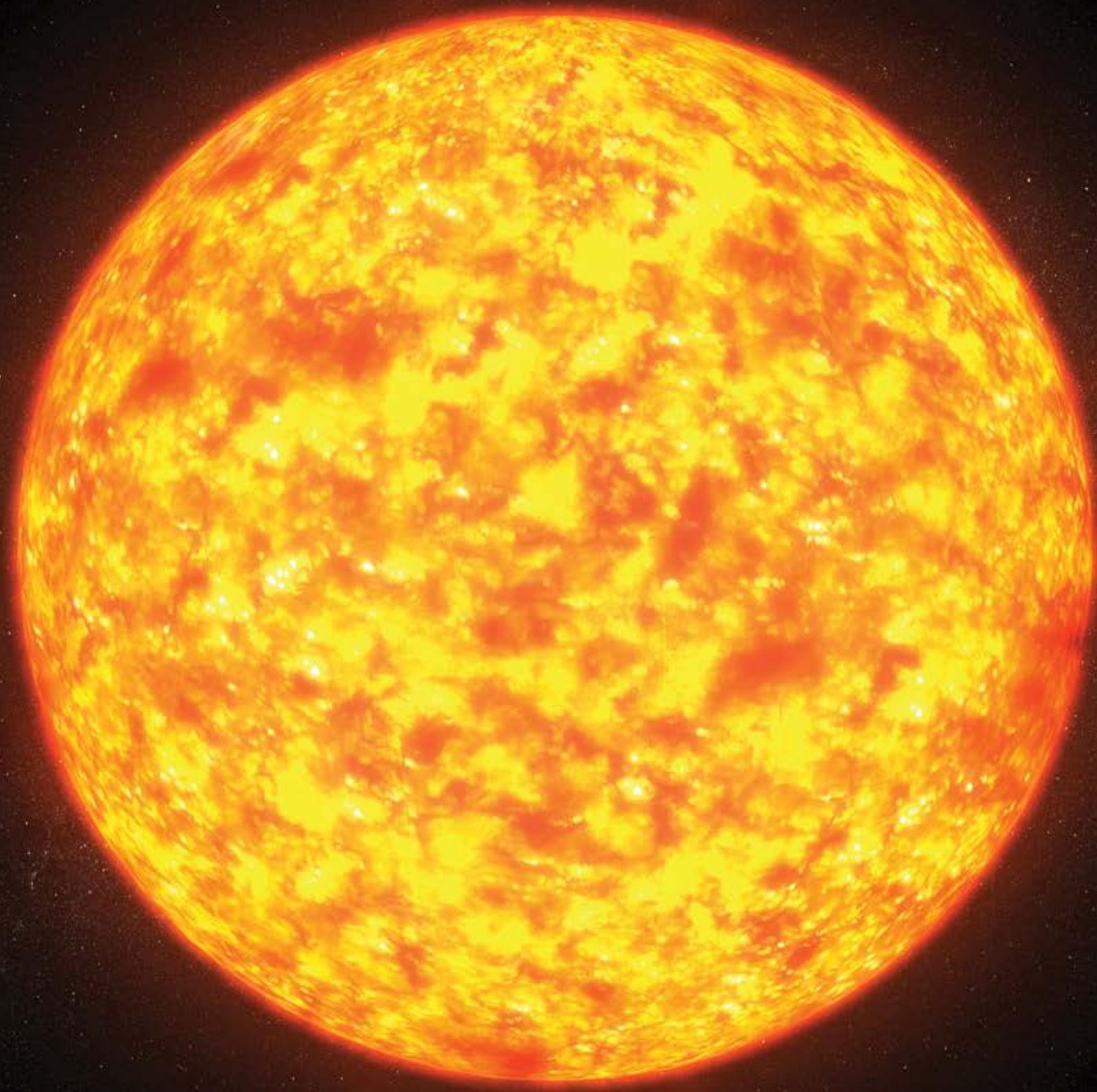
Depending on your classroom configuration, you may need to have students sit closer to the flip book in order to see the images clearly.

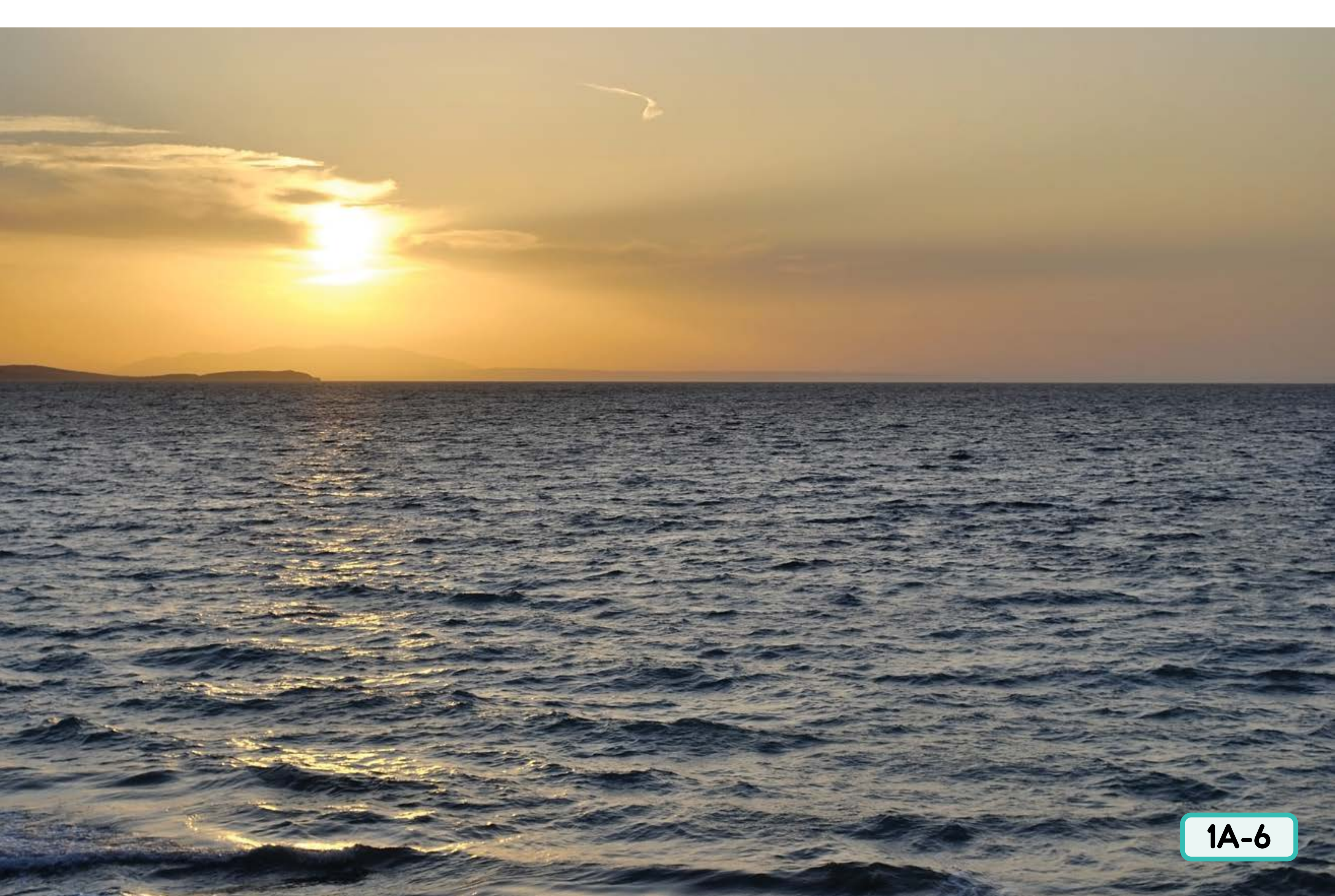








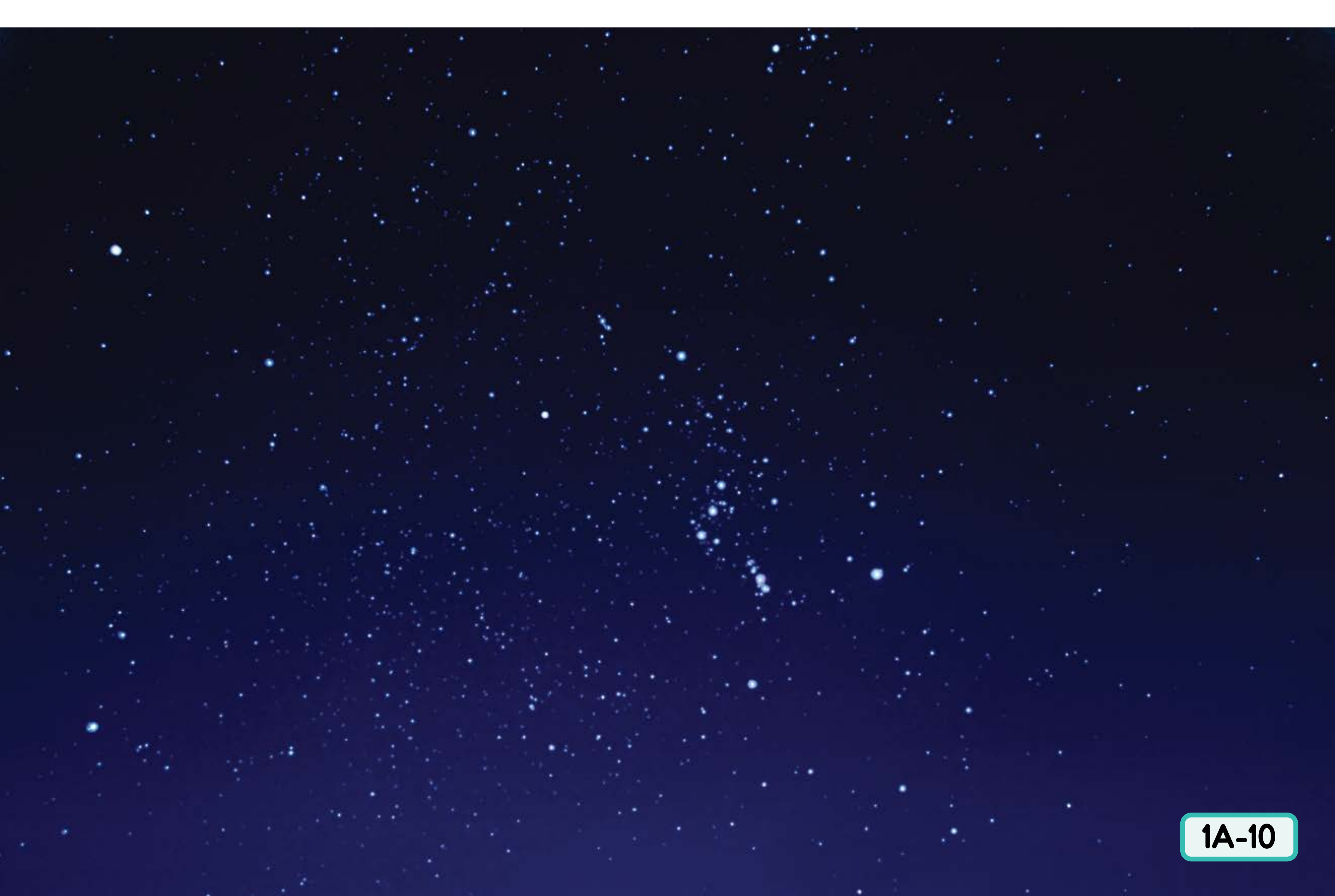


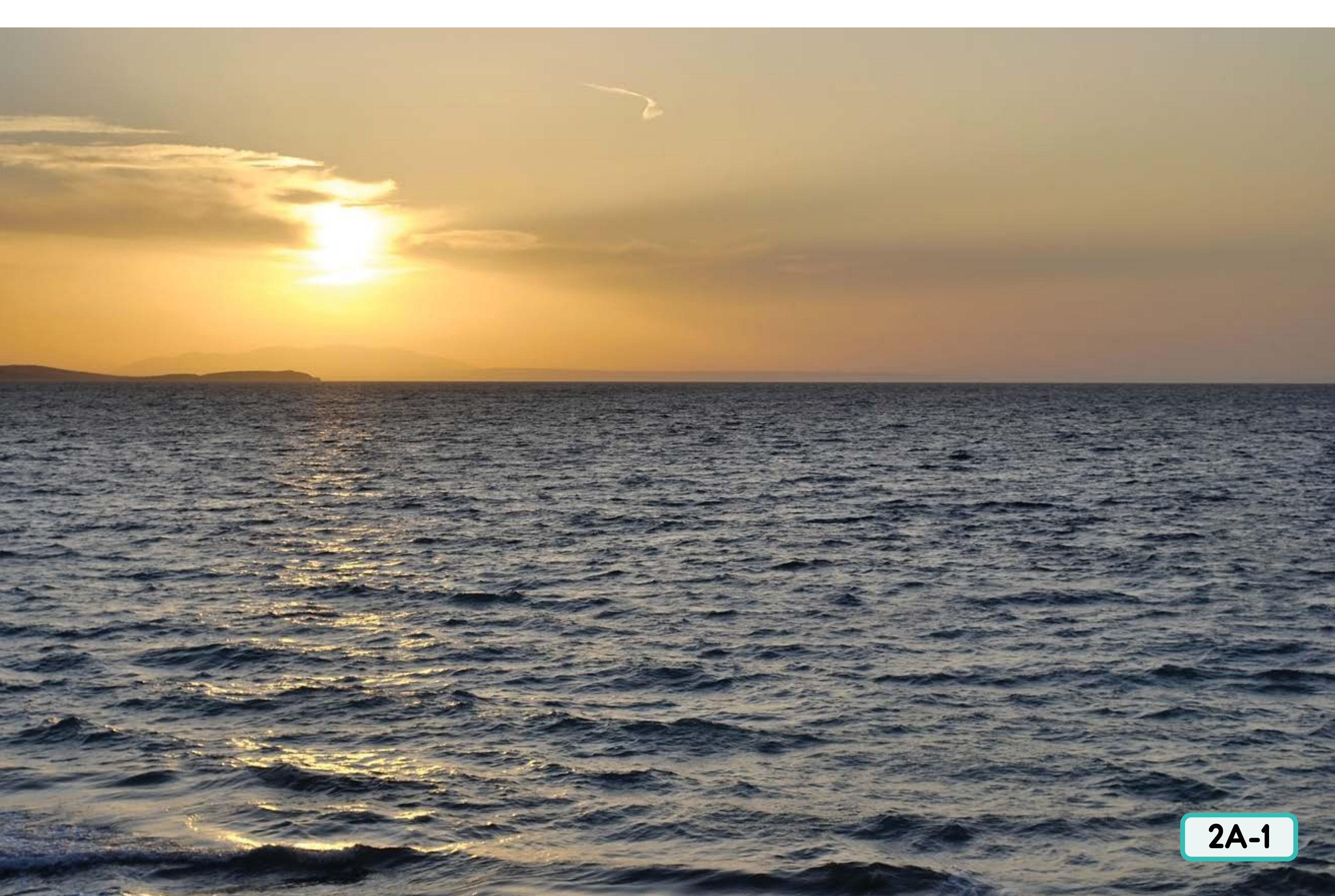


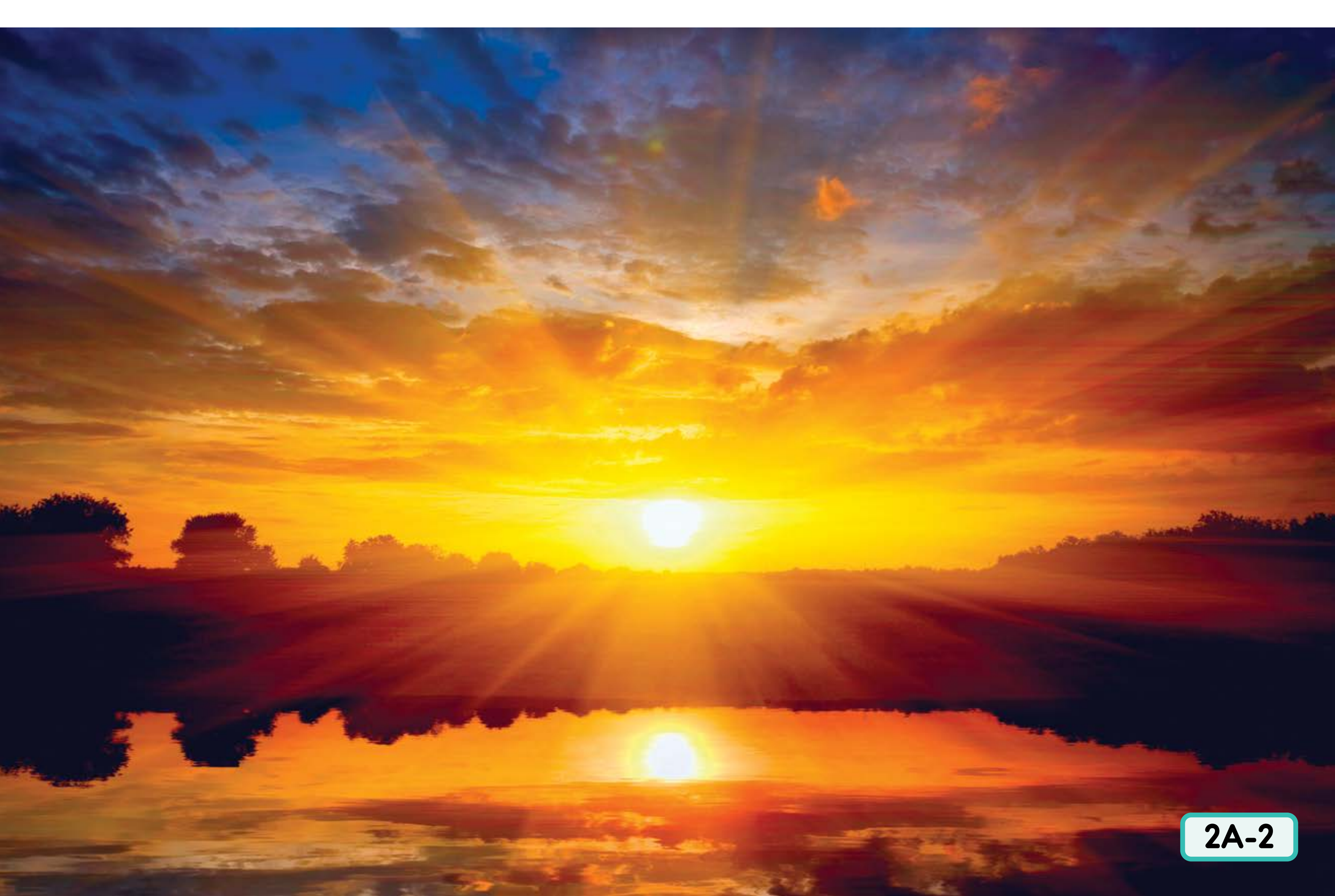


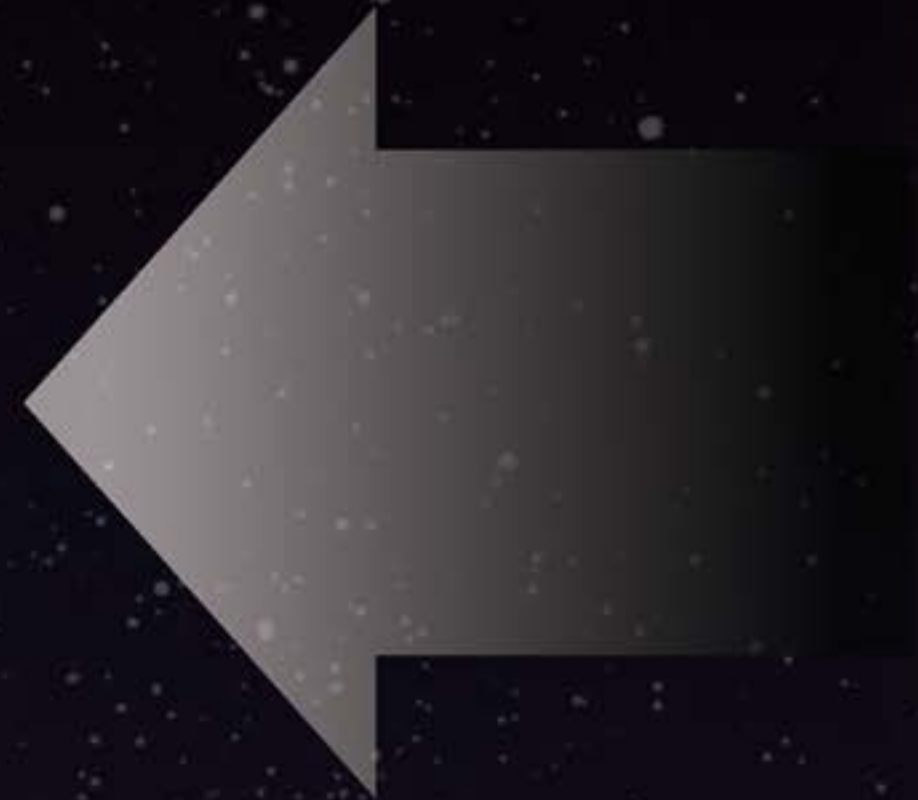


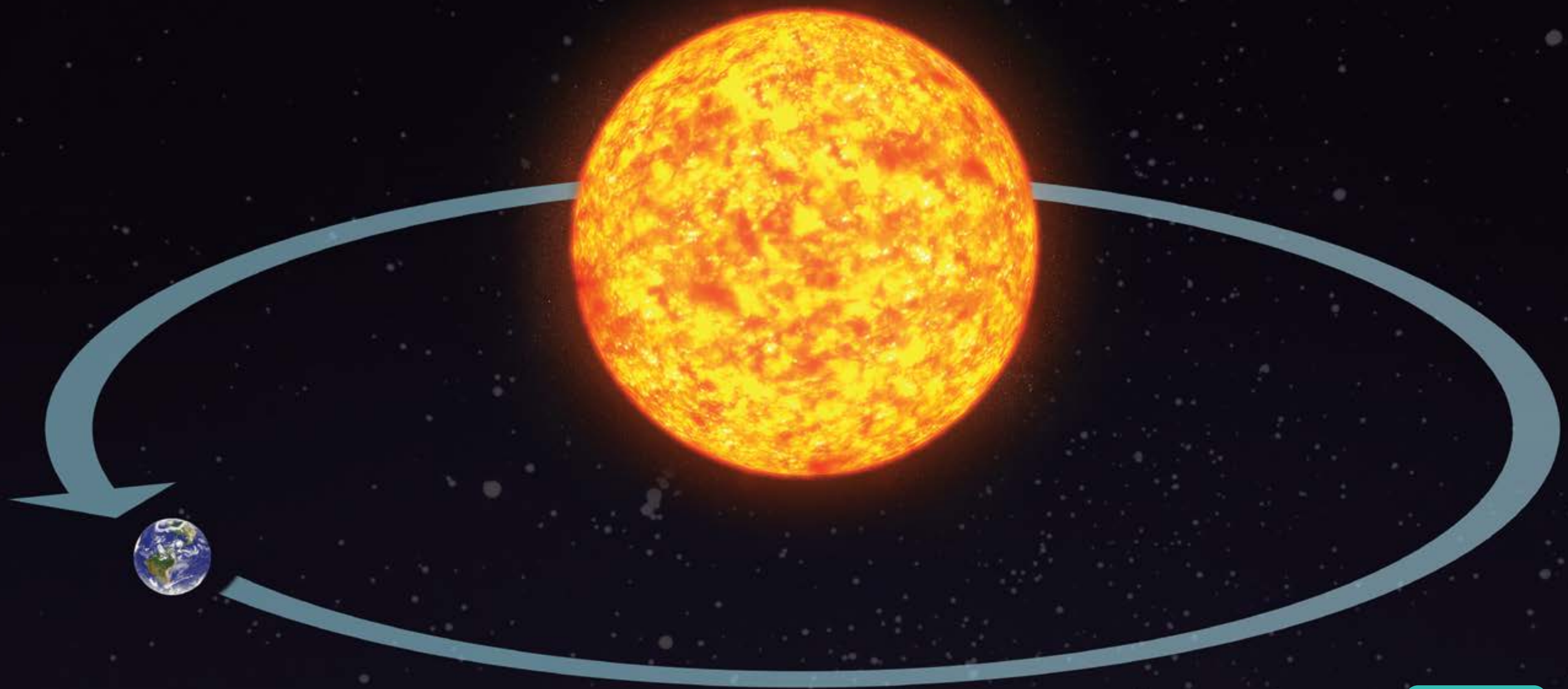






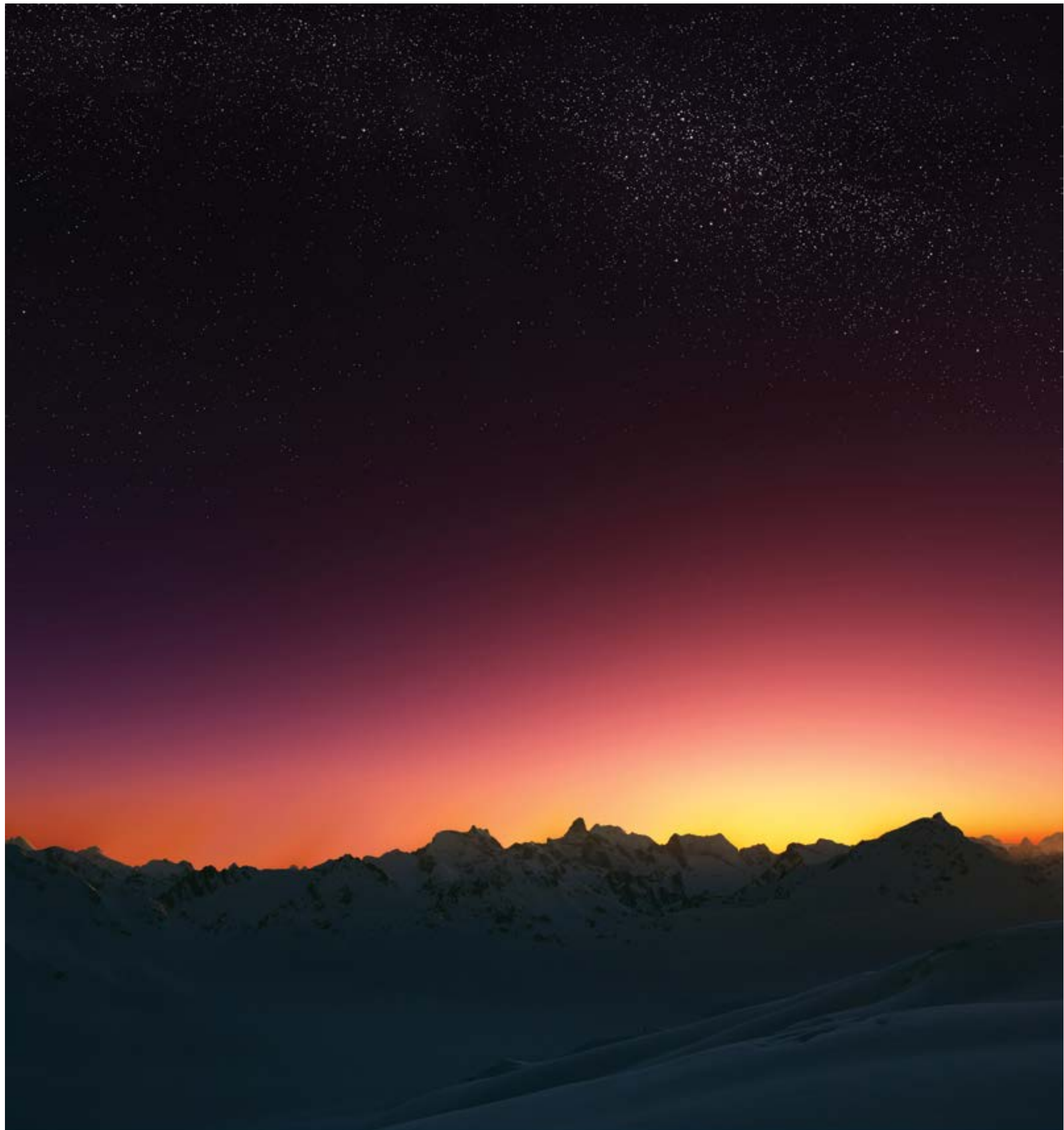


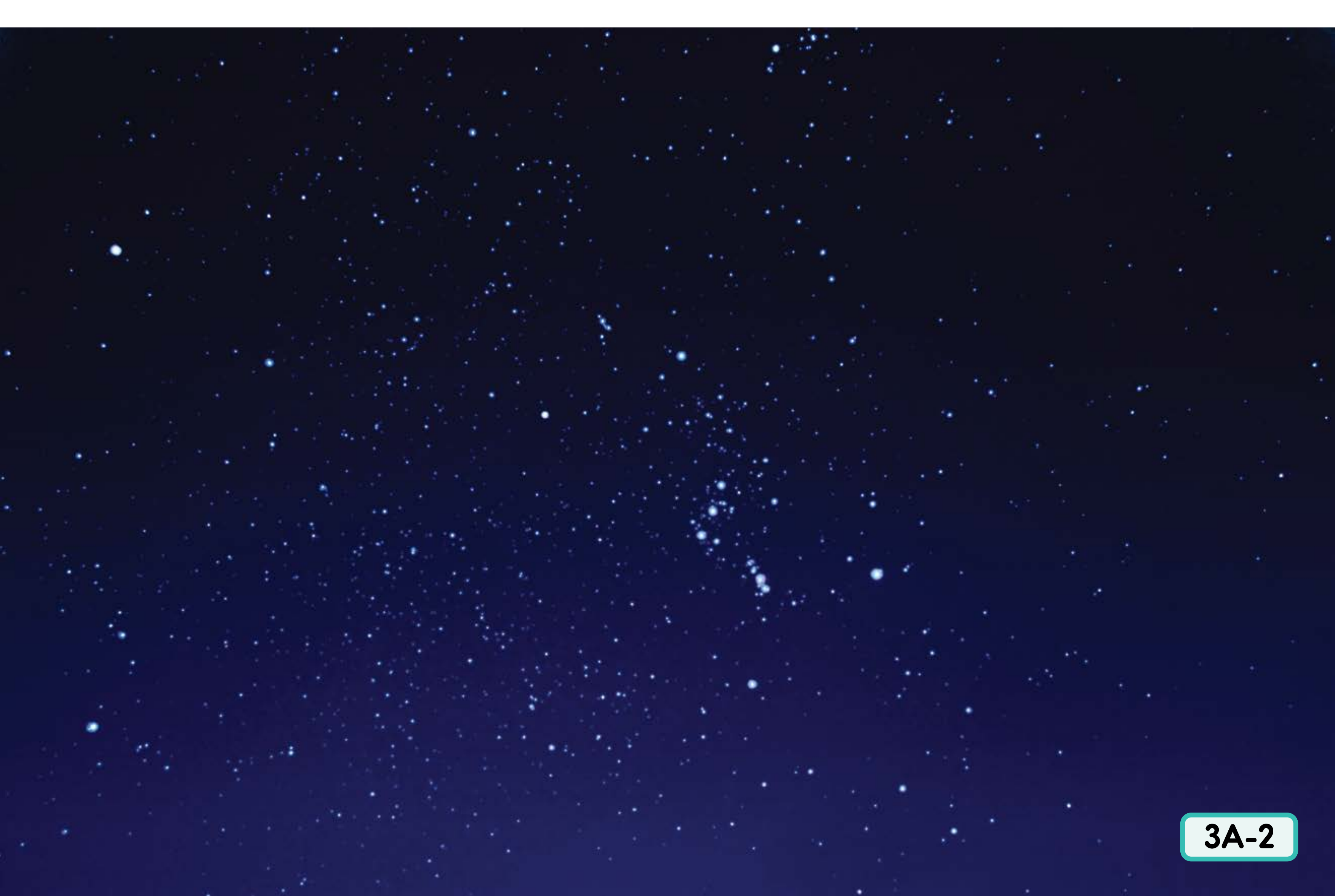






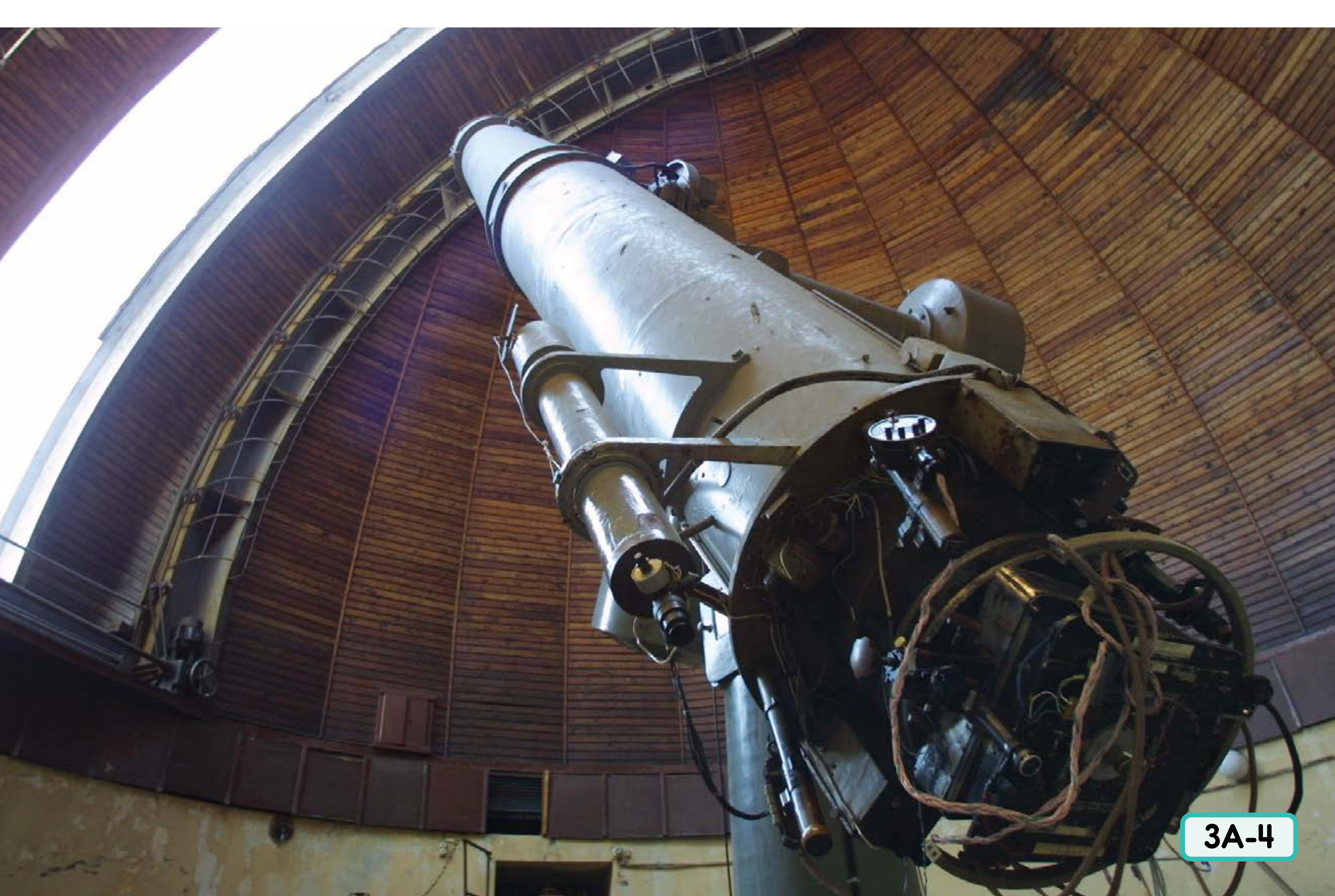








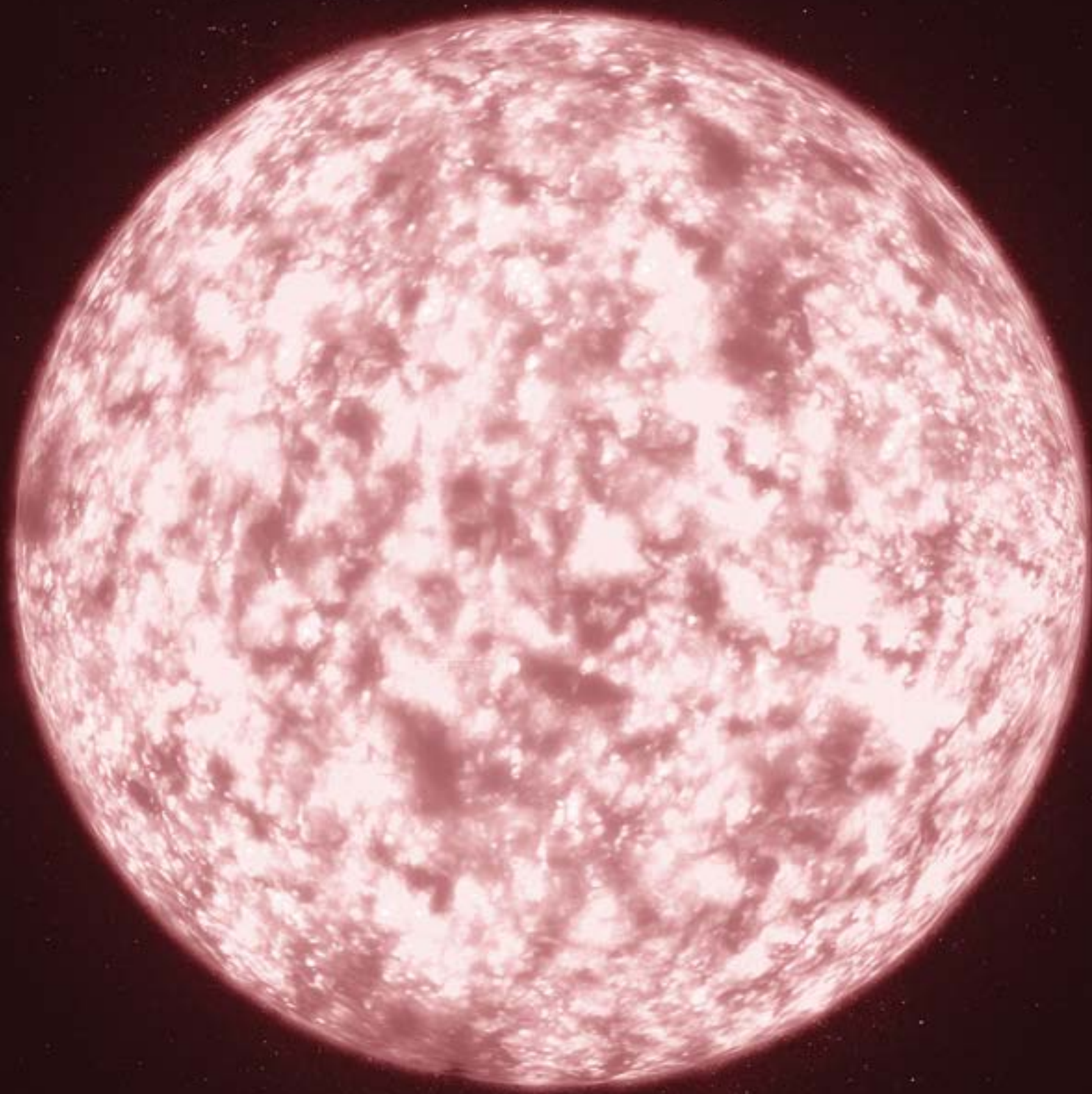
3A-3

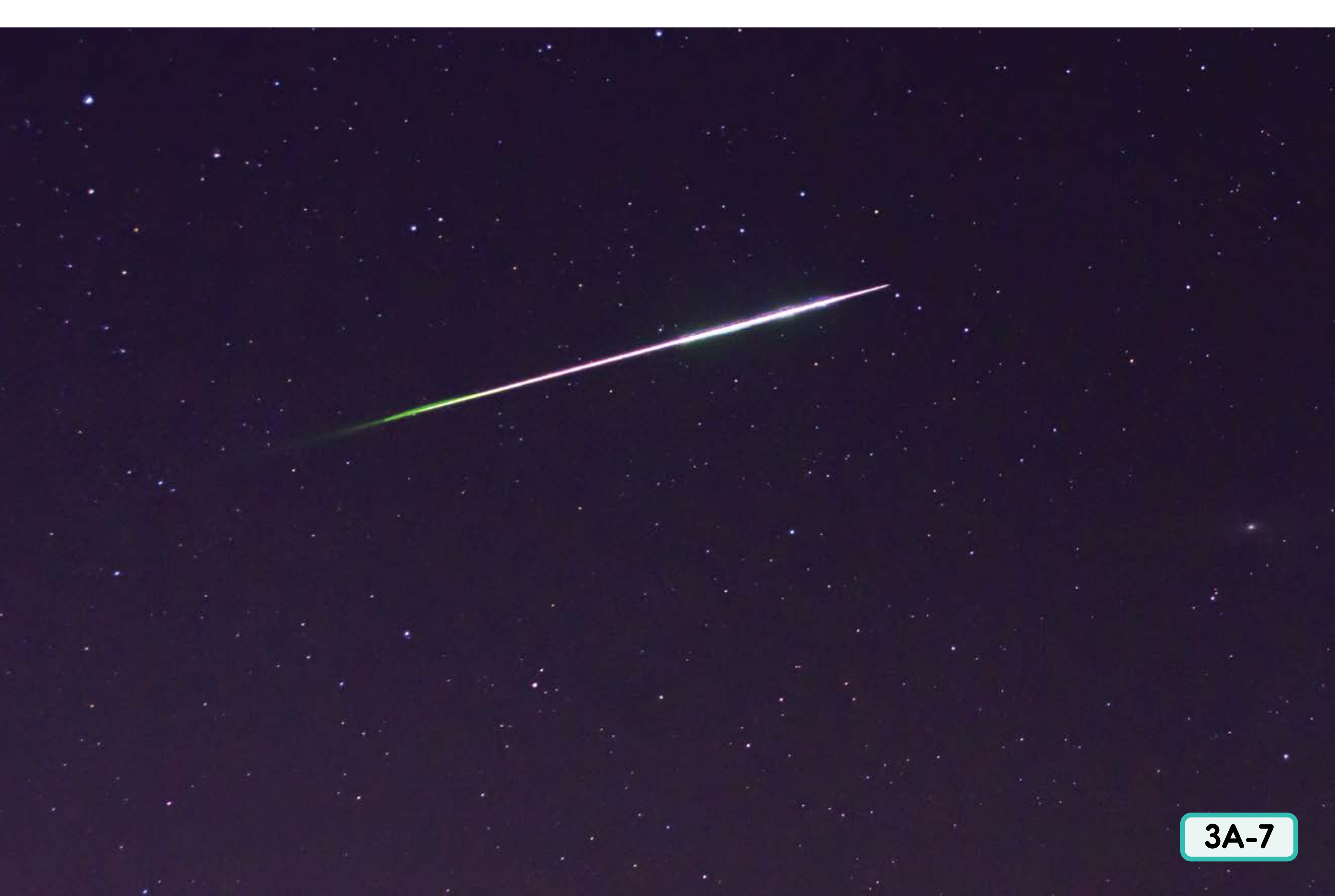


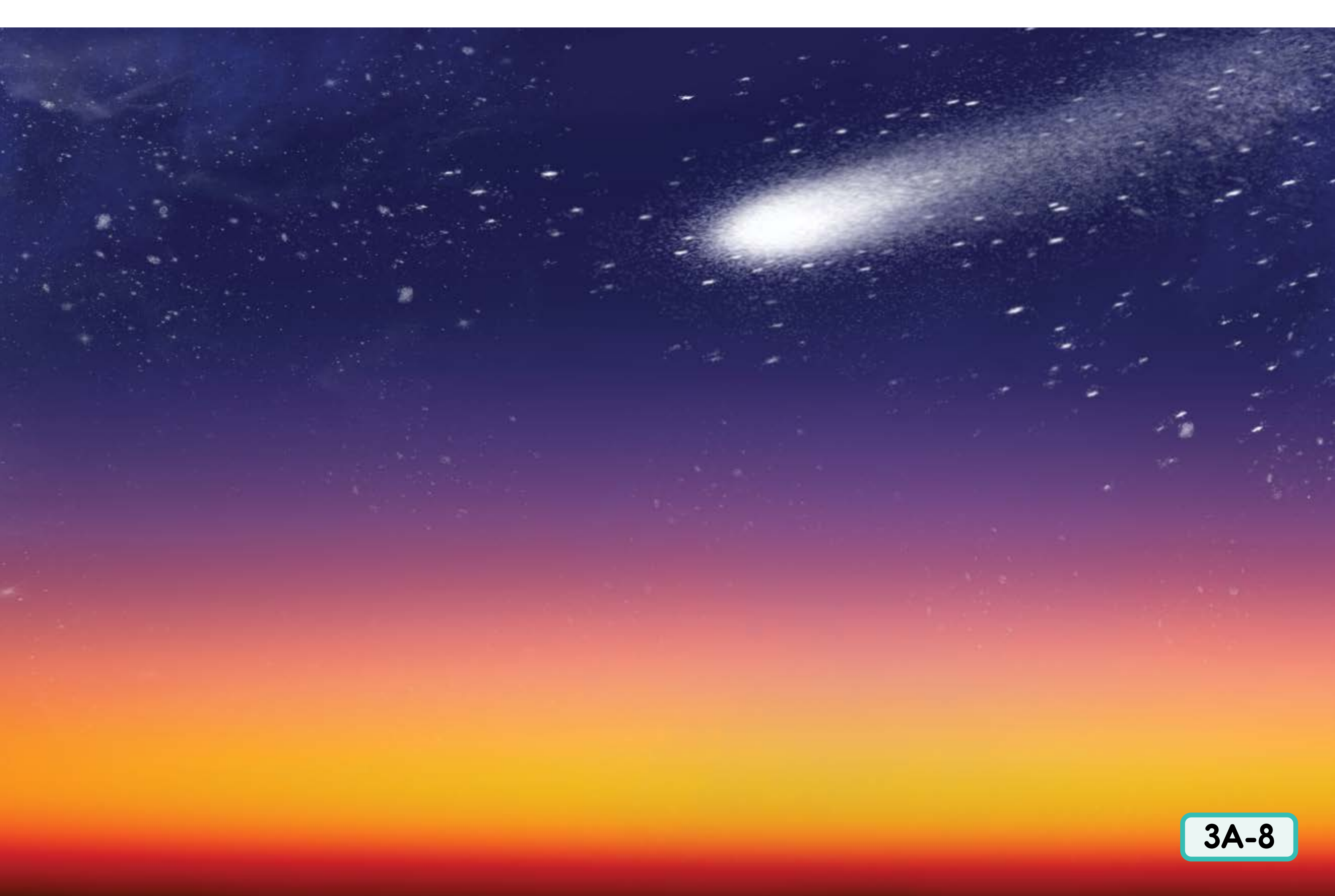
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3A-5

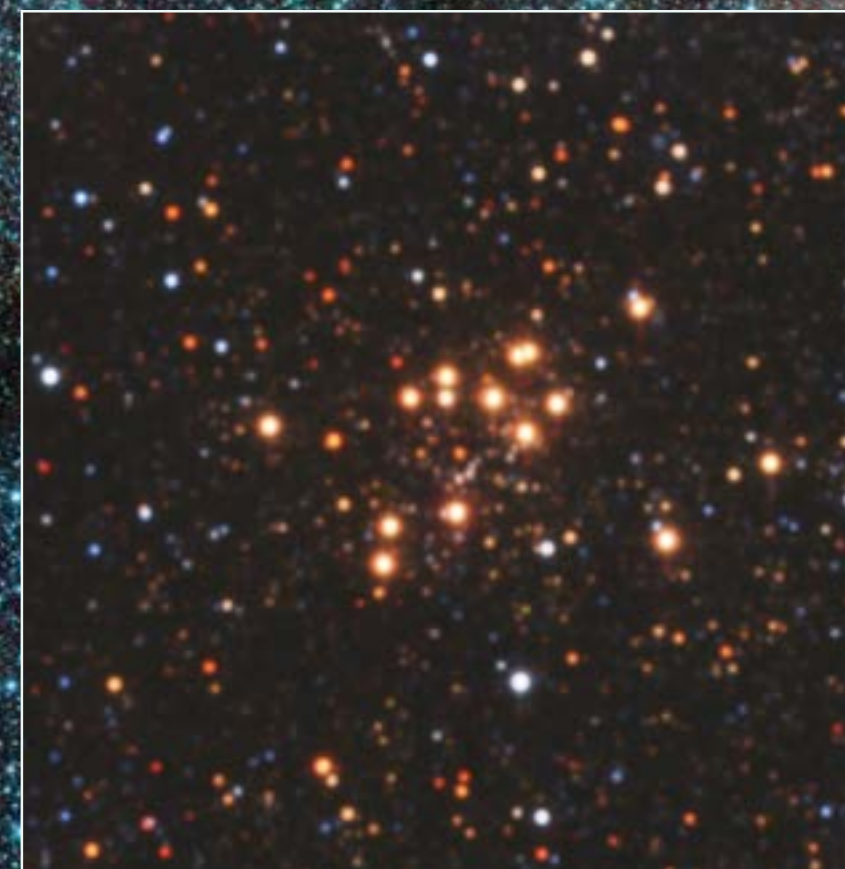
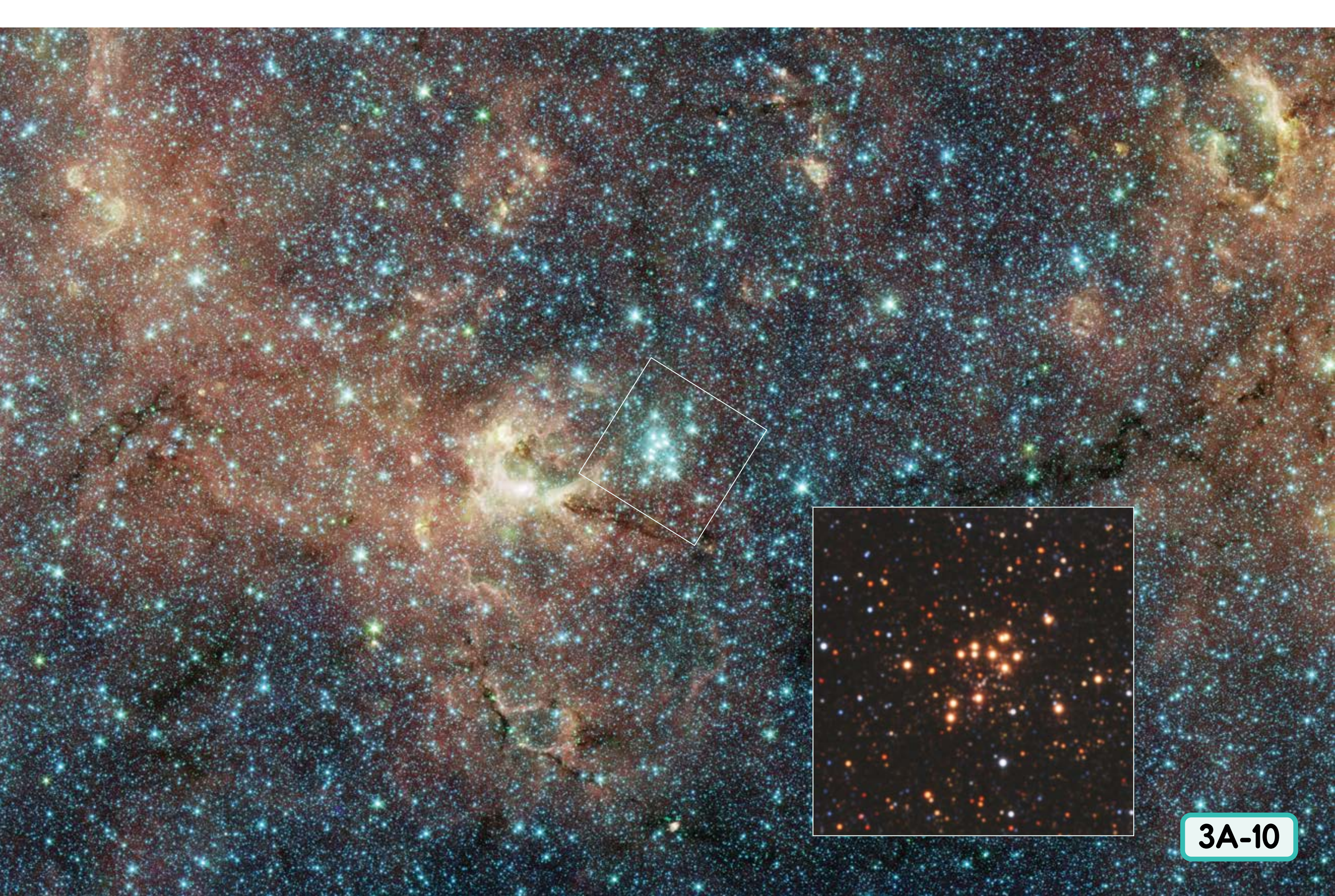




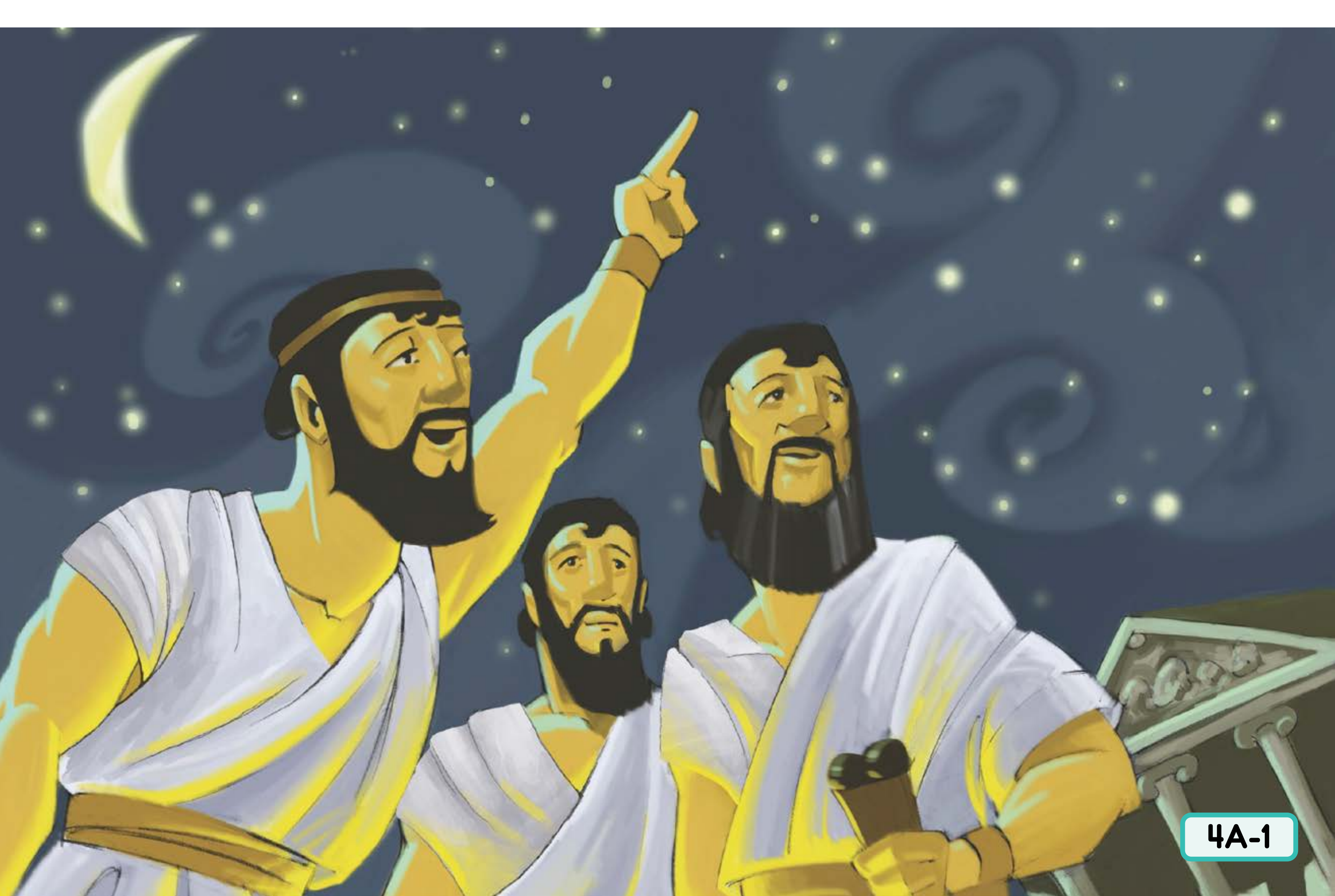




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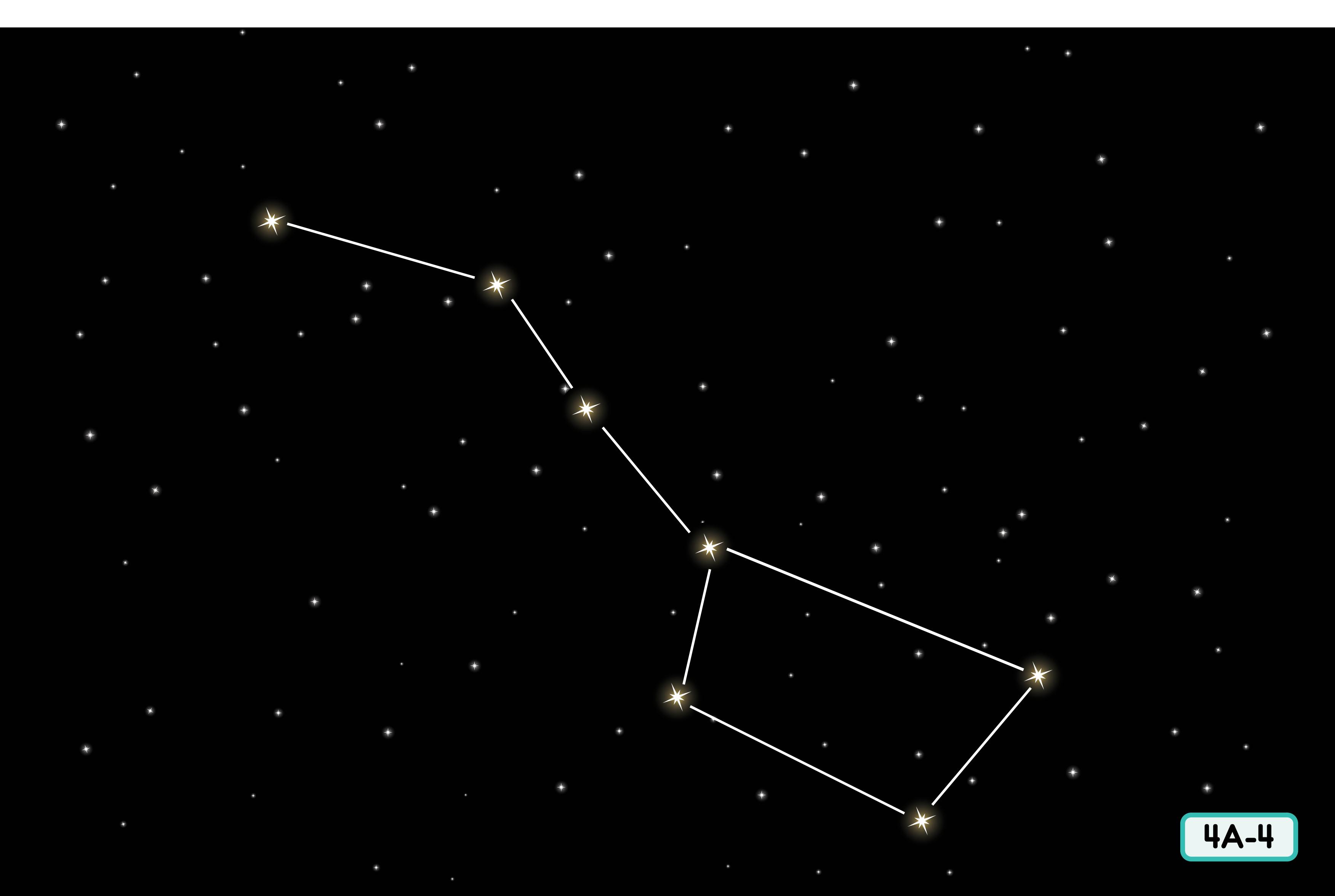


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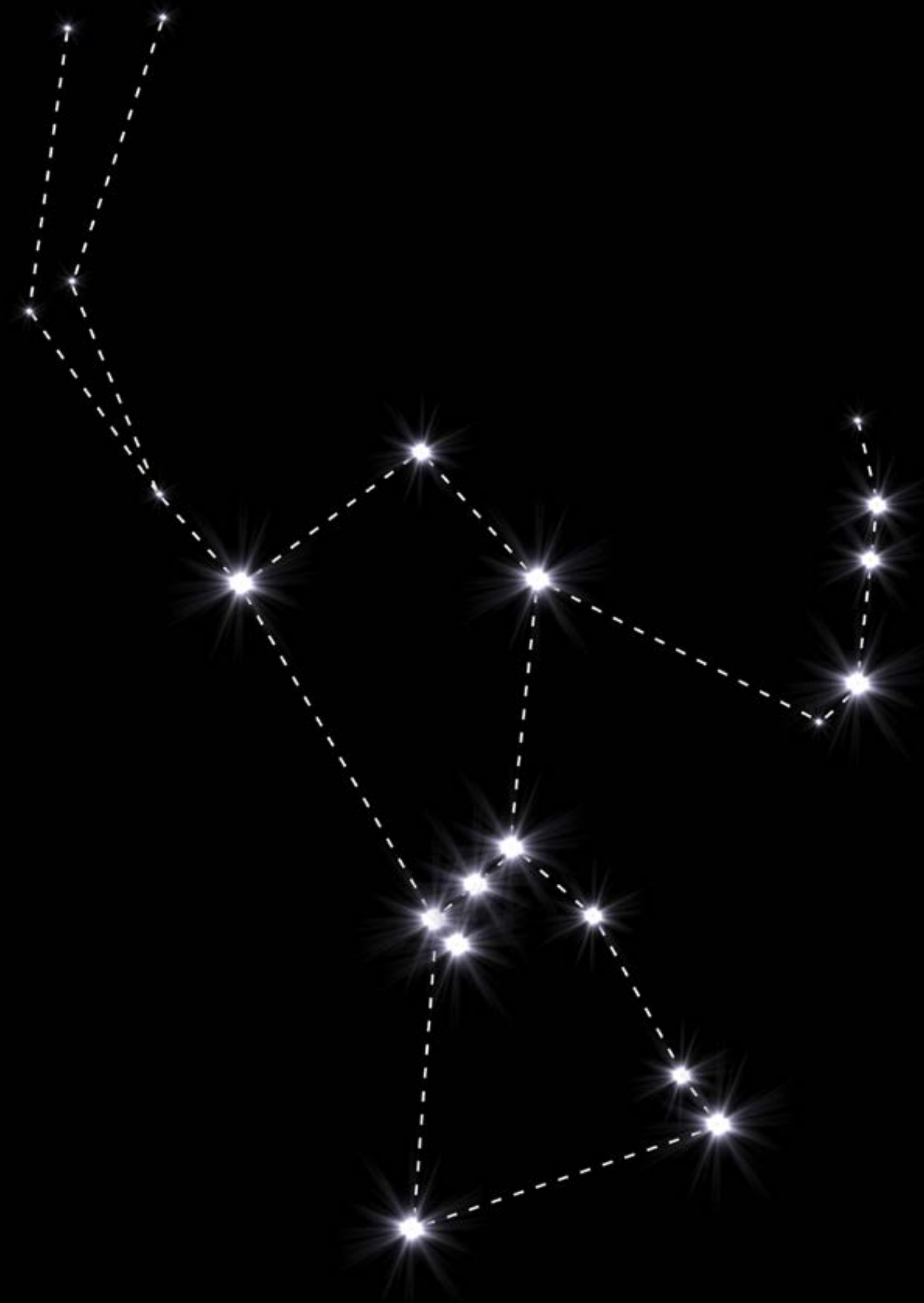




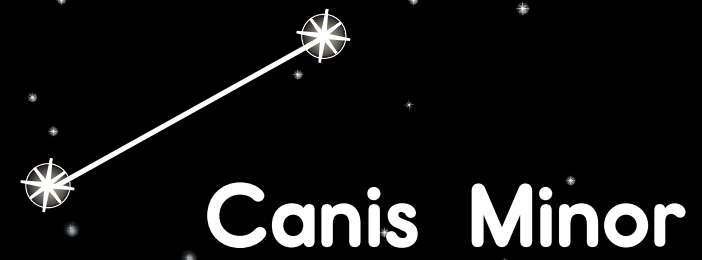


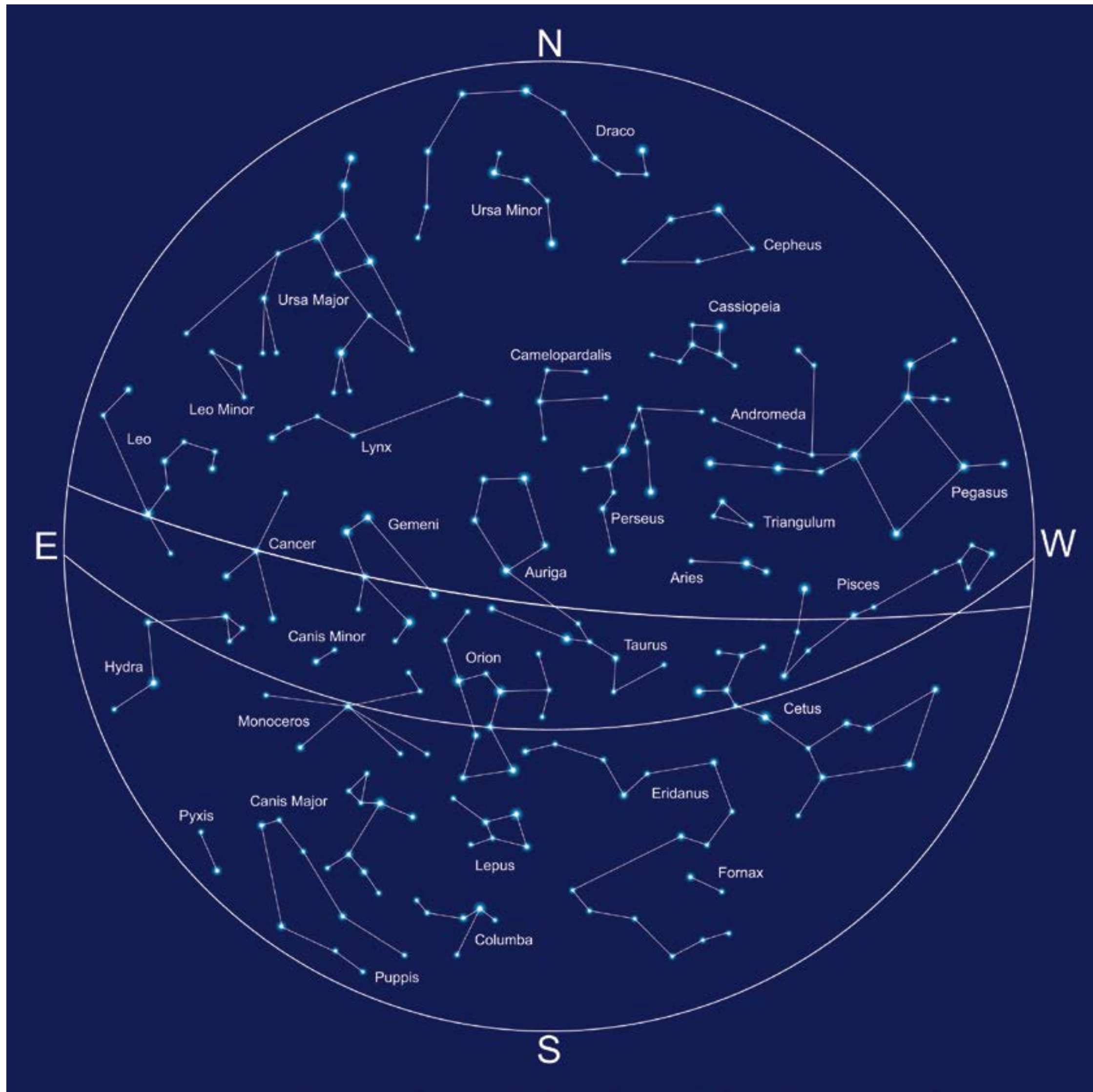






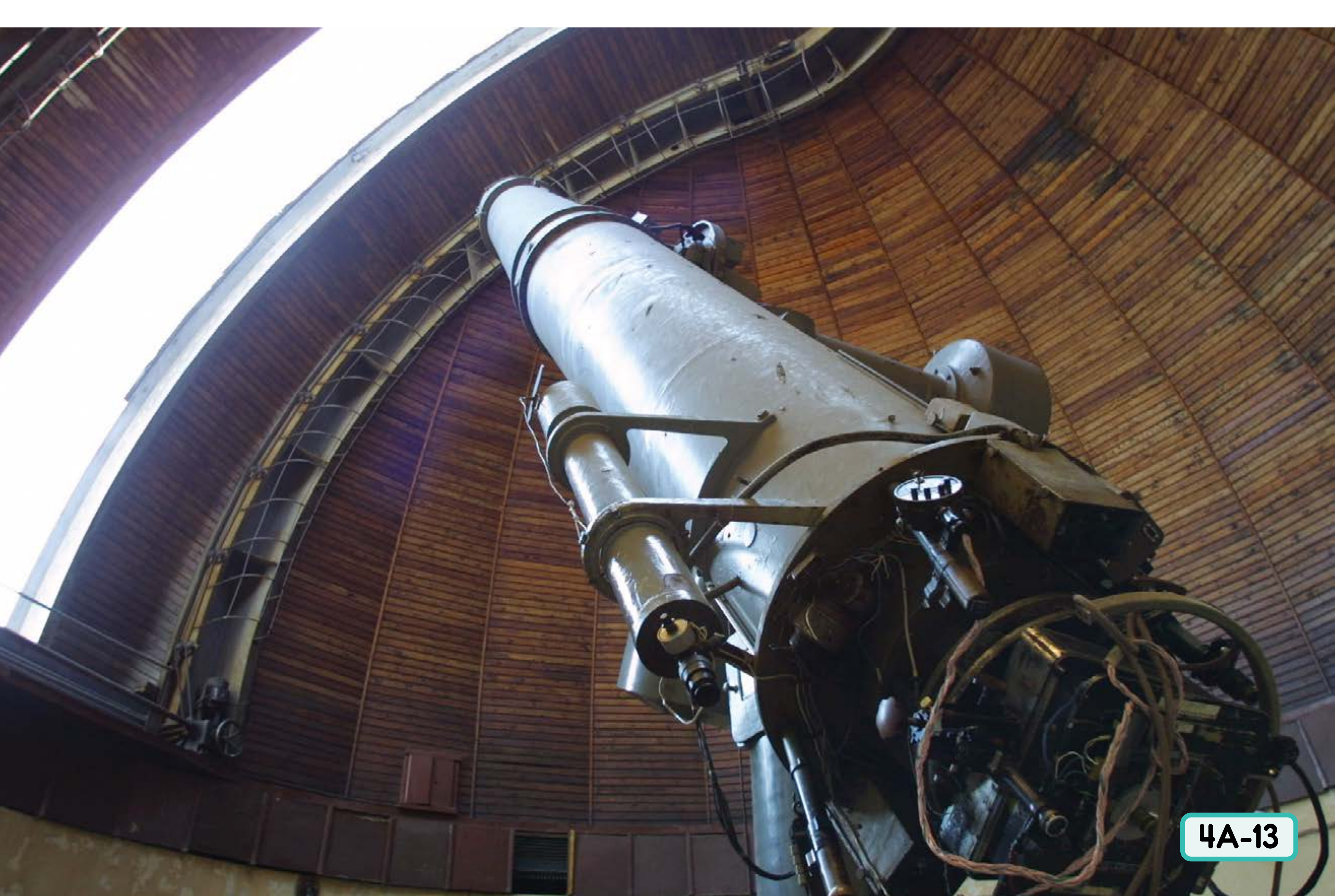




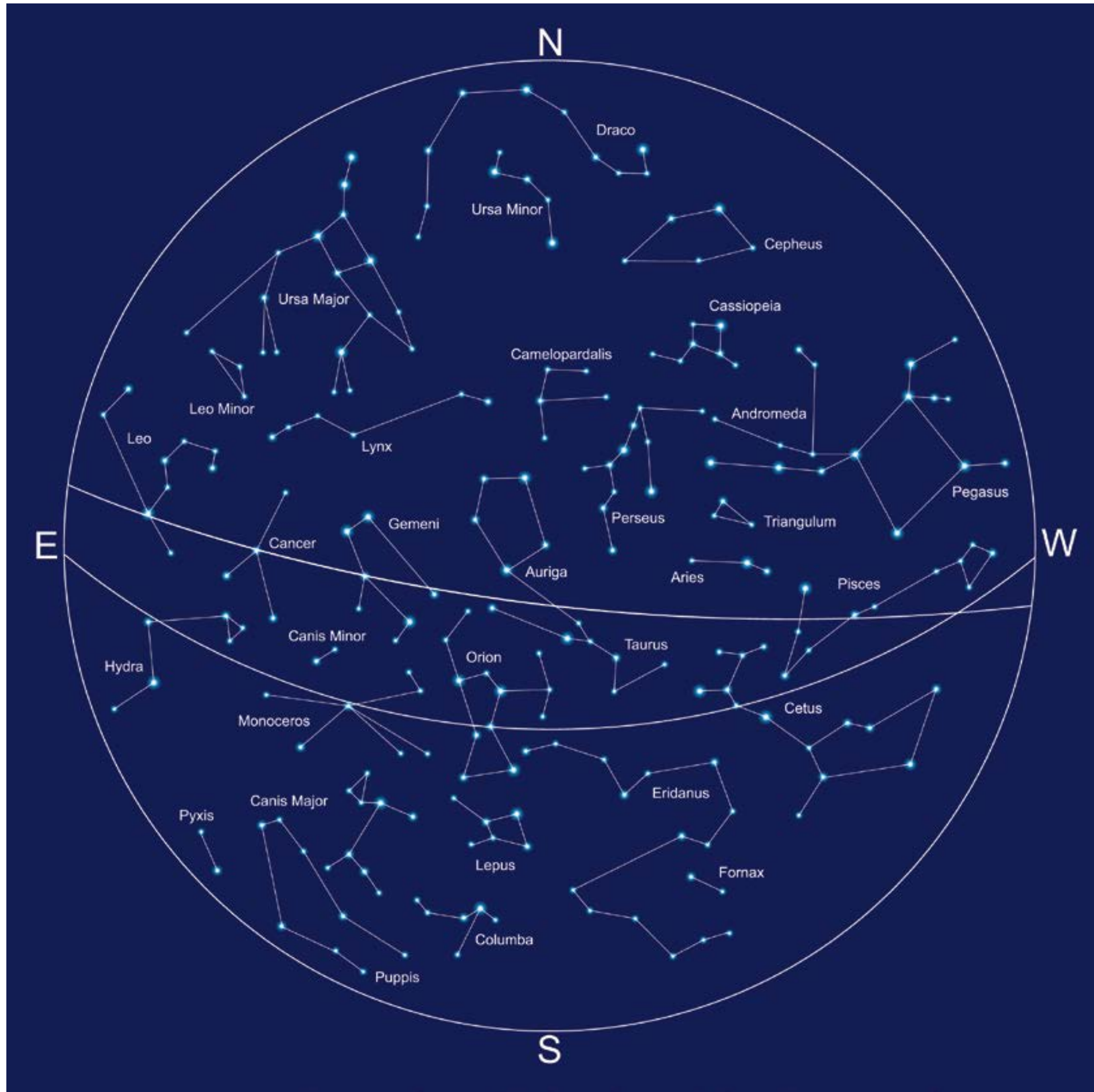






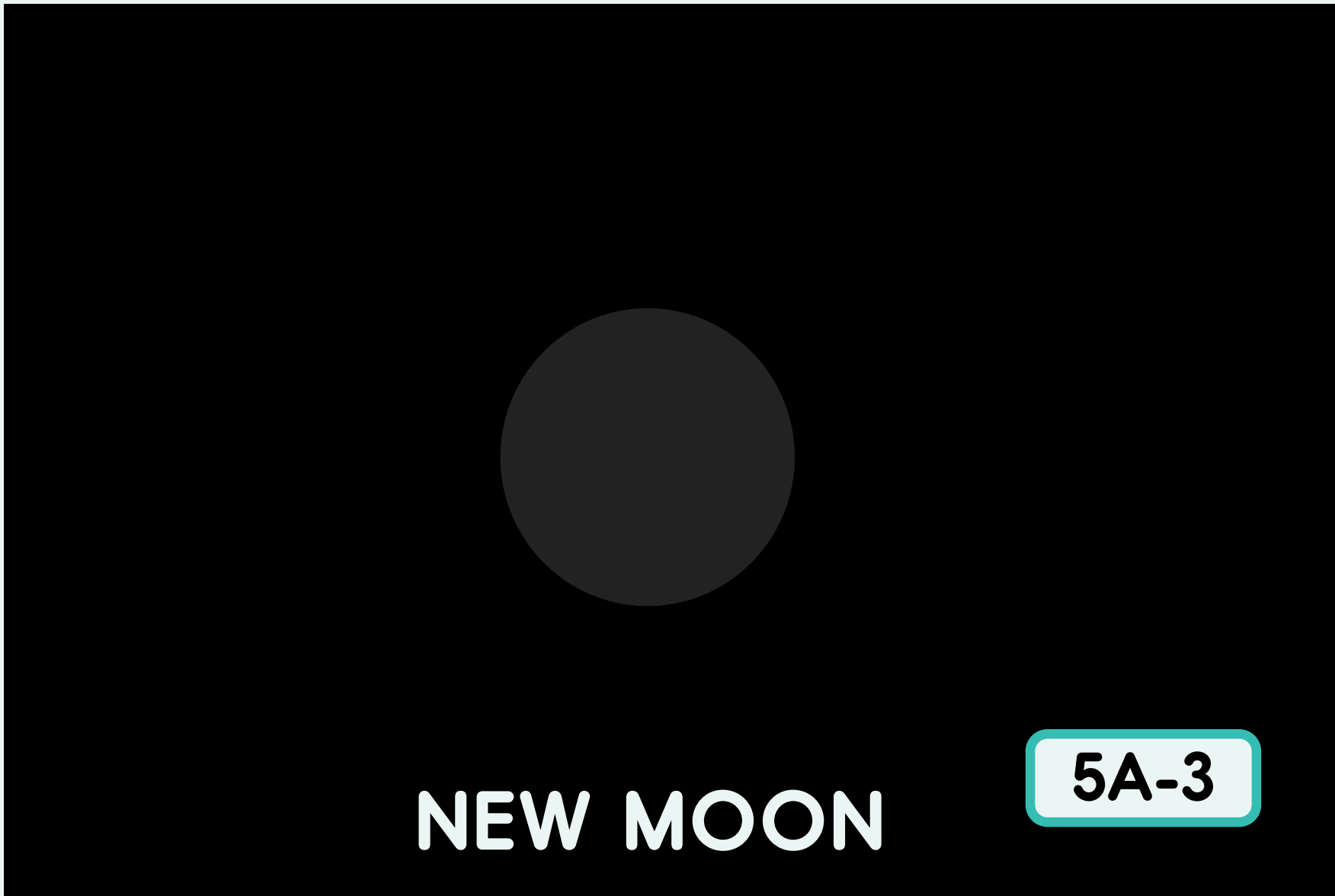
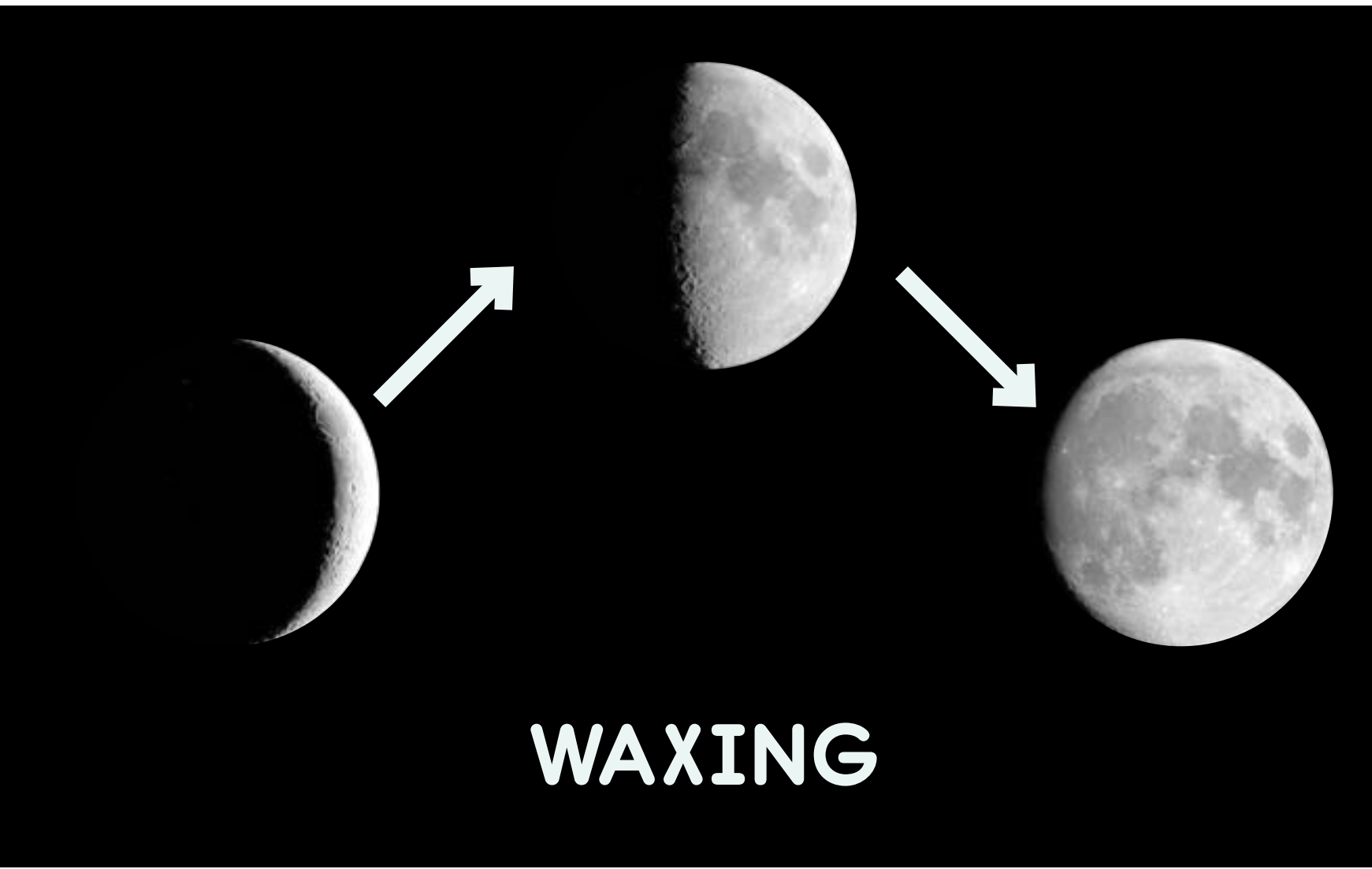


4A-13





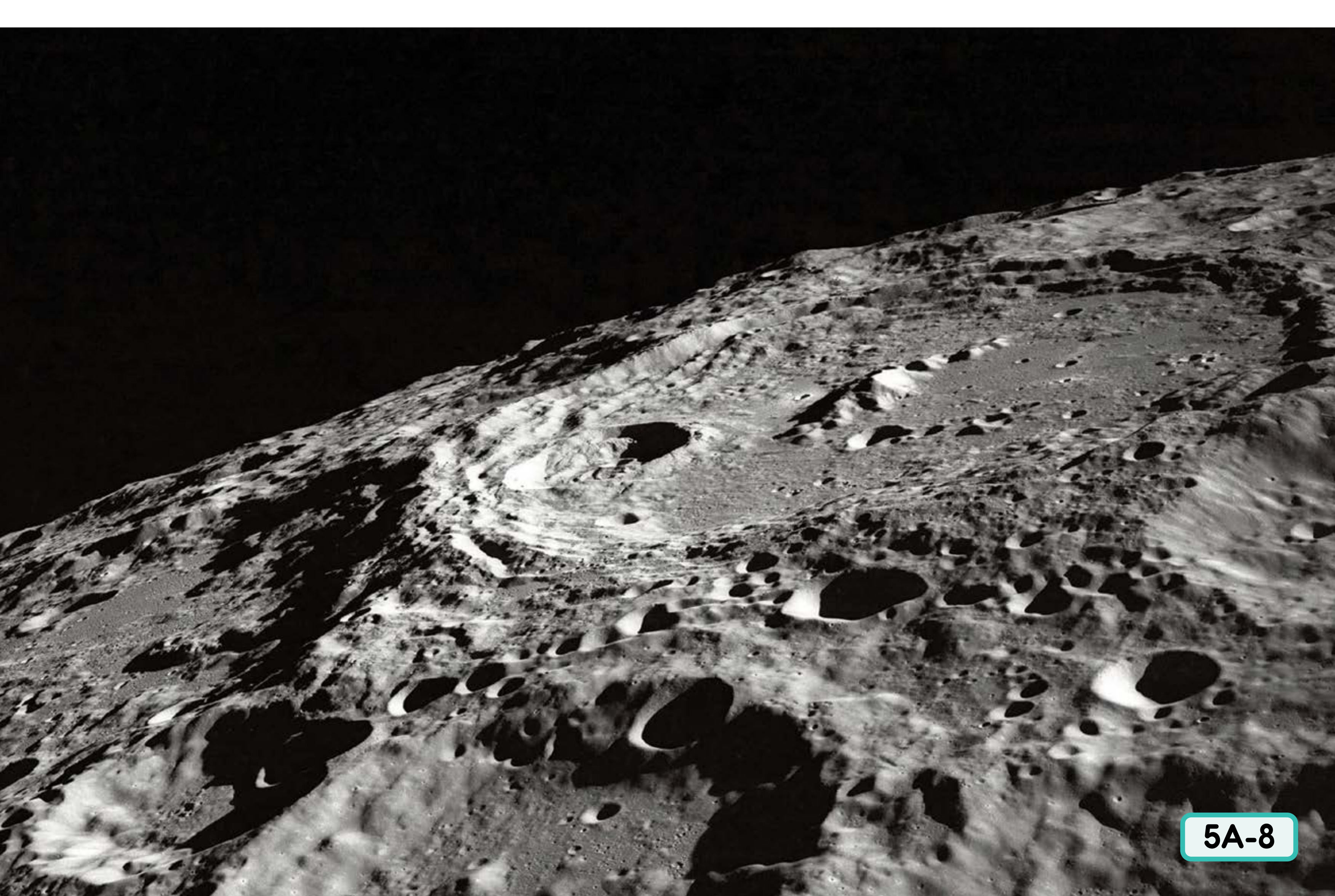










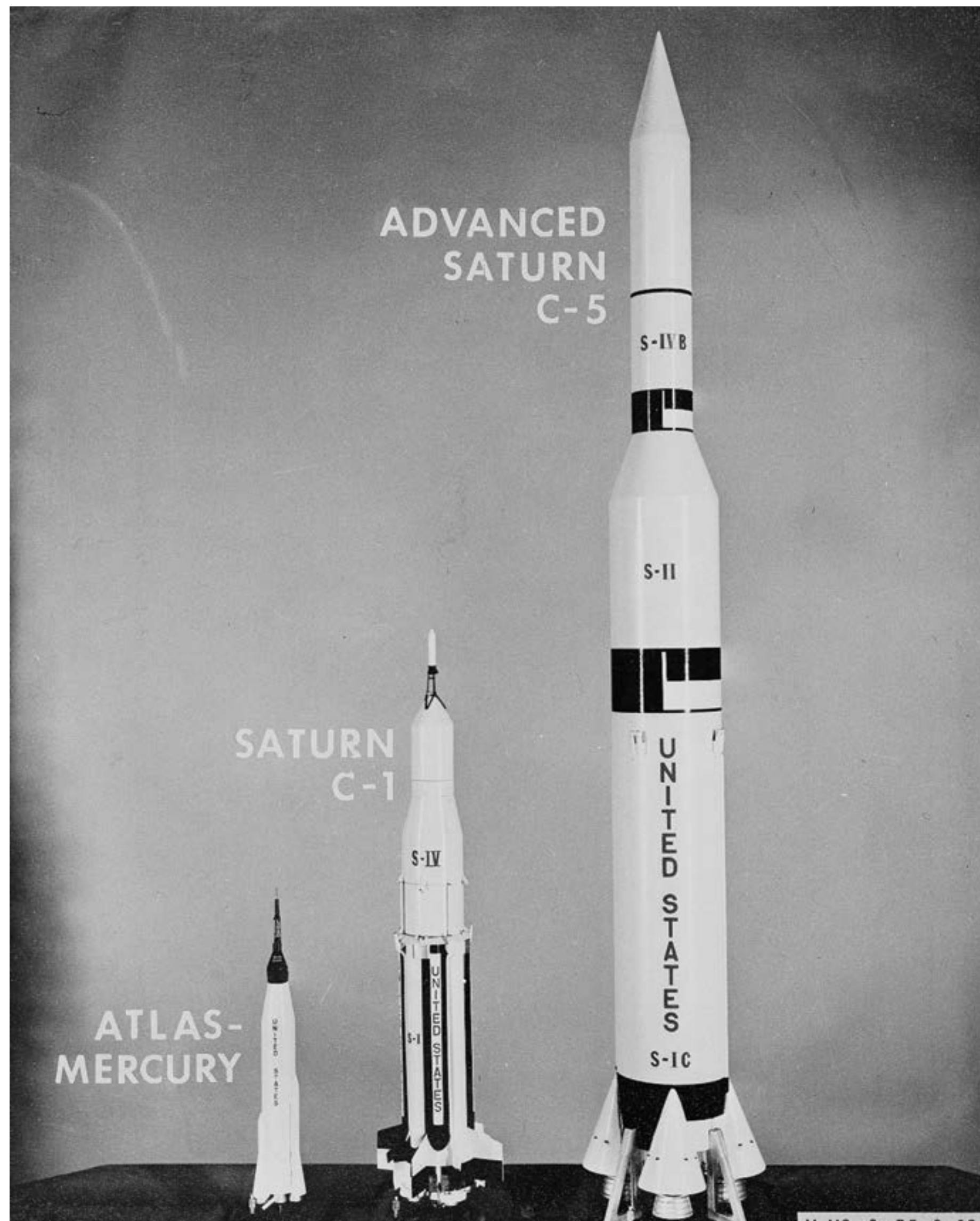


5A-8



5A-9





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28 PAGES TODAY

The Huntsville Times

Where Progress...



Covers The Valley

VOL. 51, NO. 21

CHICAGO DAILY NEWS SERVICE

HUNTSVILLE, ALABAMA, WEDNESDAY, APR. 12, 1961

ASSOCIATED PRESS — WIREPHOTO

45c PER WE

Man Enters Space

'So Close, Yet So Far,' Sighs Cape

U. S. Had Hoped For Own Launch

CAPE CANAVERAL, Fla. (AP) — The Redstone rocket which the United States had hoped would boost the first man into space stands on a launching pad here. The Soviet Union beat its firing date by at least two weeks.

"So close, yet so far," commented a technician who is helping groom the Redstone to send one of America's astronauts on a short sub-orbital flight, hopefully in this month or early in

Hobbs



Soviet Officer Orbits Globe In 5-Ton Ship

Maximum Height Reached Reported As 188 Miles

MOSCOW (AP)—A Soviet astronaut has orbited the globe for more than an hour and returned safely to receive the plaudits of scientists and political leaders alike. Soviet announcement of the feat brought praise from President Kennedy and U. S. space experts left behind in the contest to put the first man into a successful space flight.

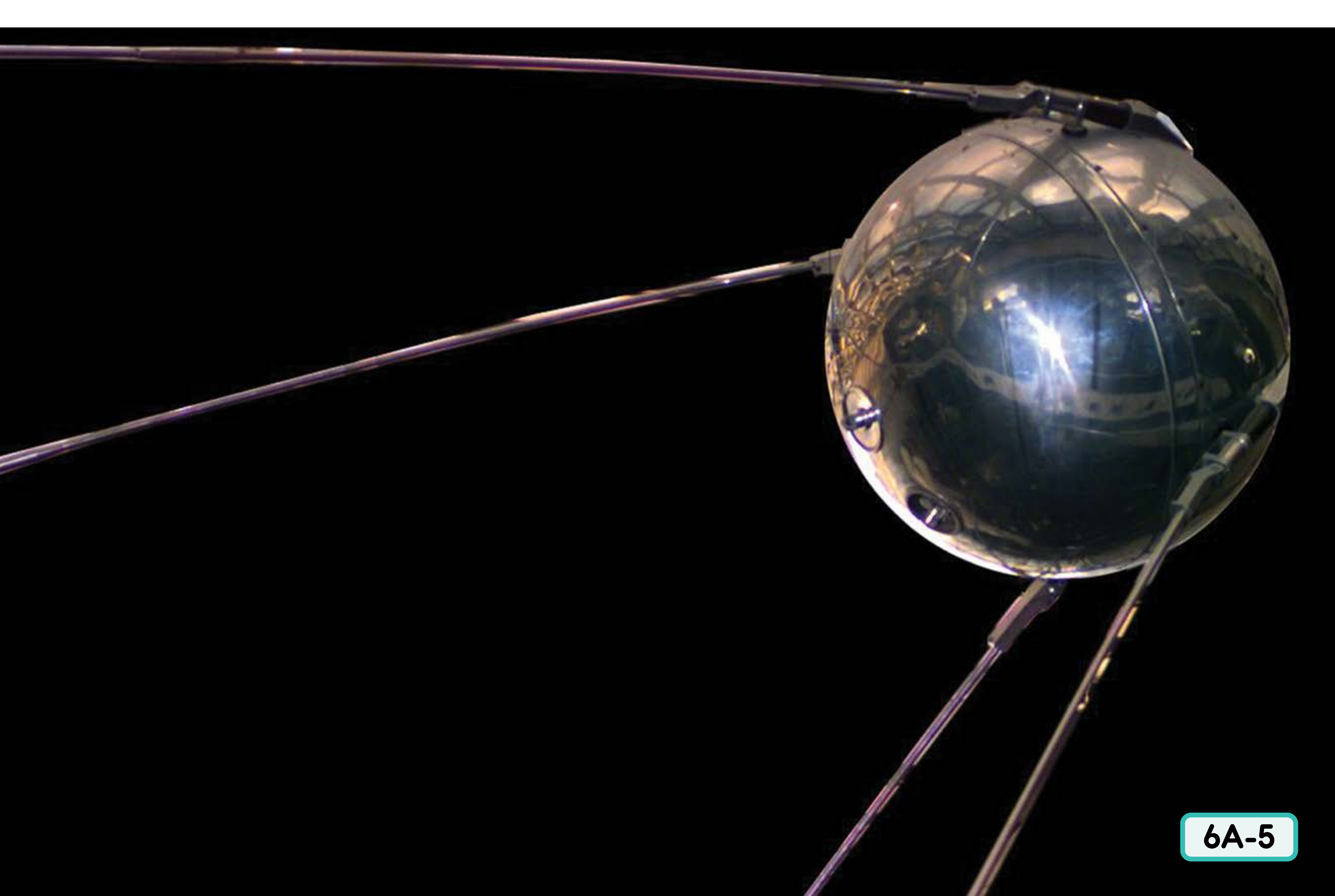
By the Soviet account, Maj. Yuri Alekseyevich Gagarin, 34, was in the air a total of an hour and 48 minutes.

VON BRAUN'S REACTION:

6A-3



6A-4



6A-5



6A-6

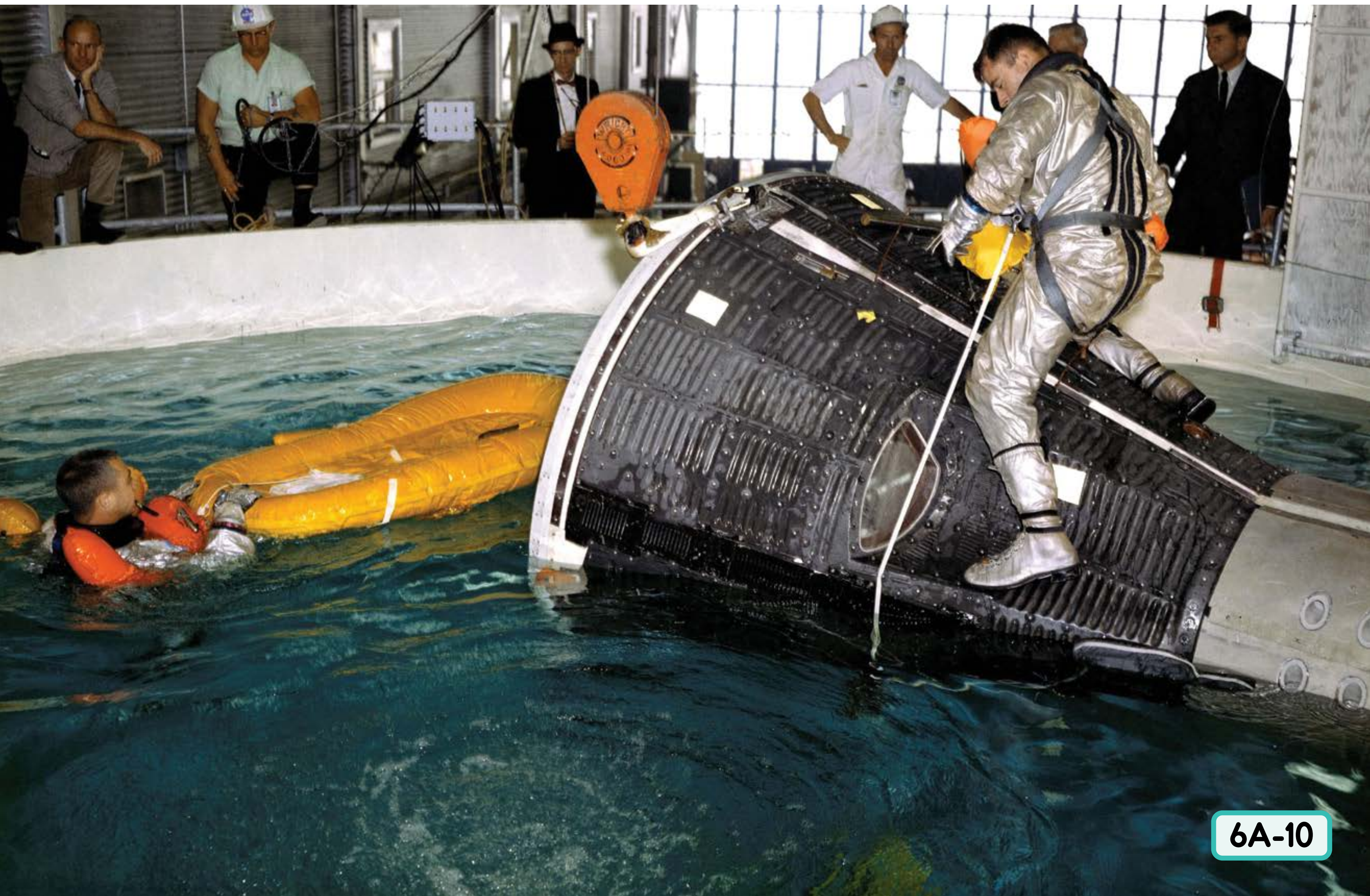




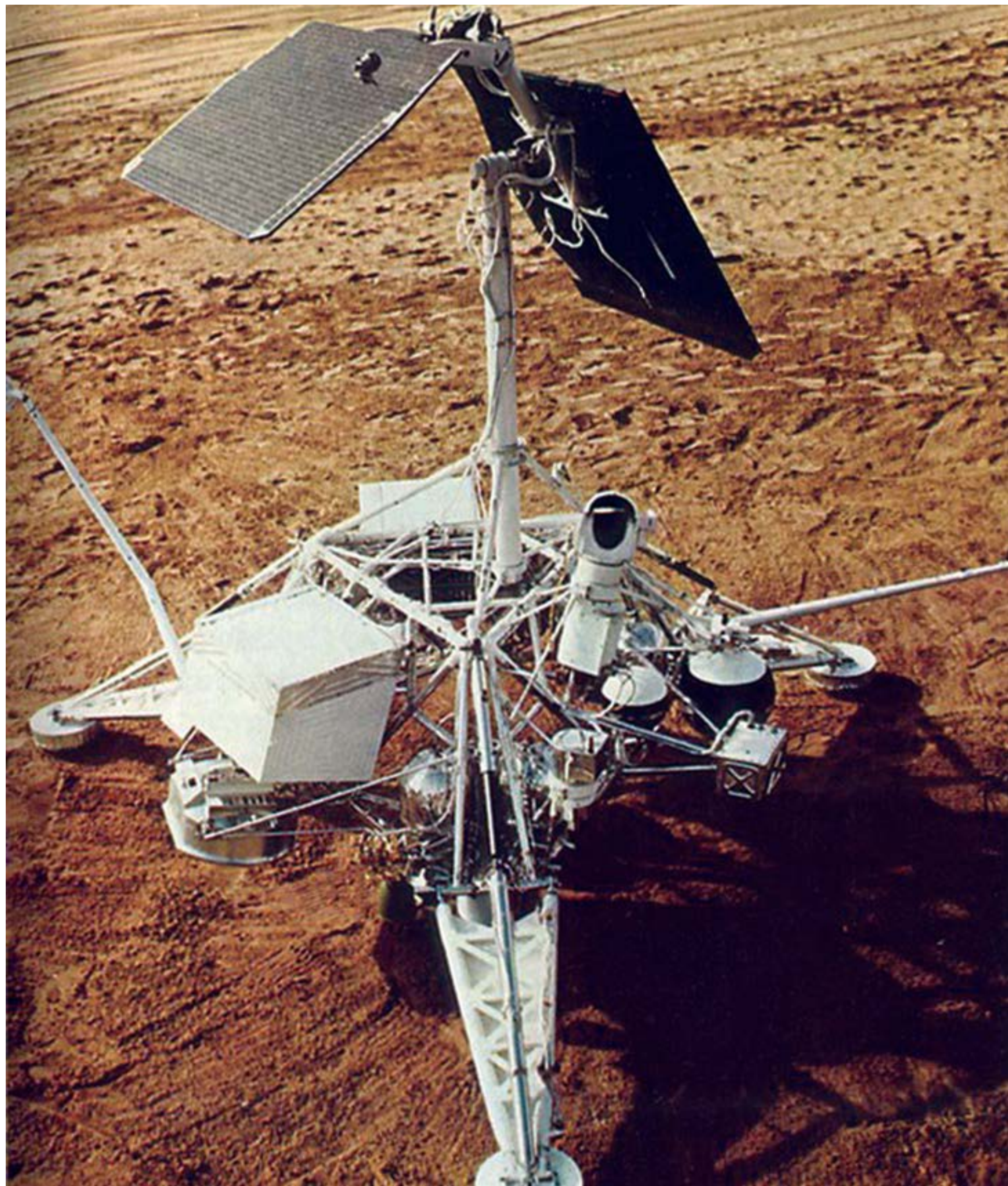
6A-8



6A-9













7A-5

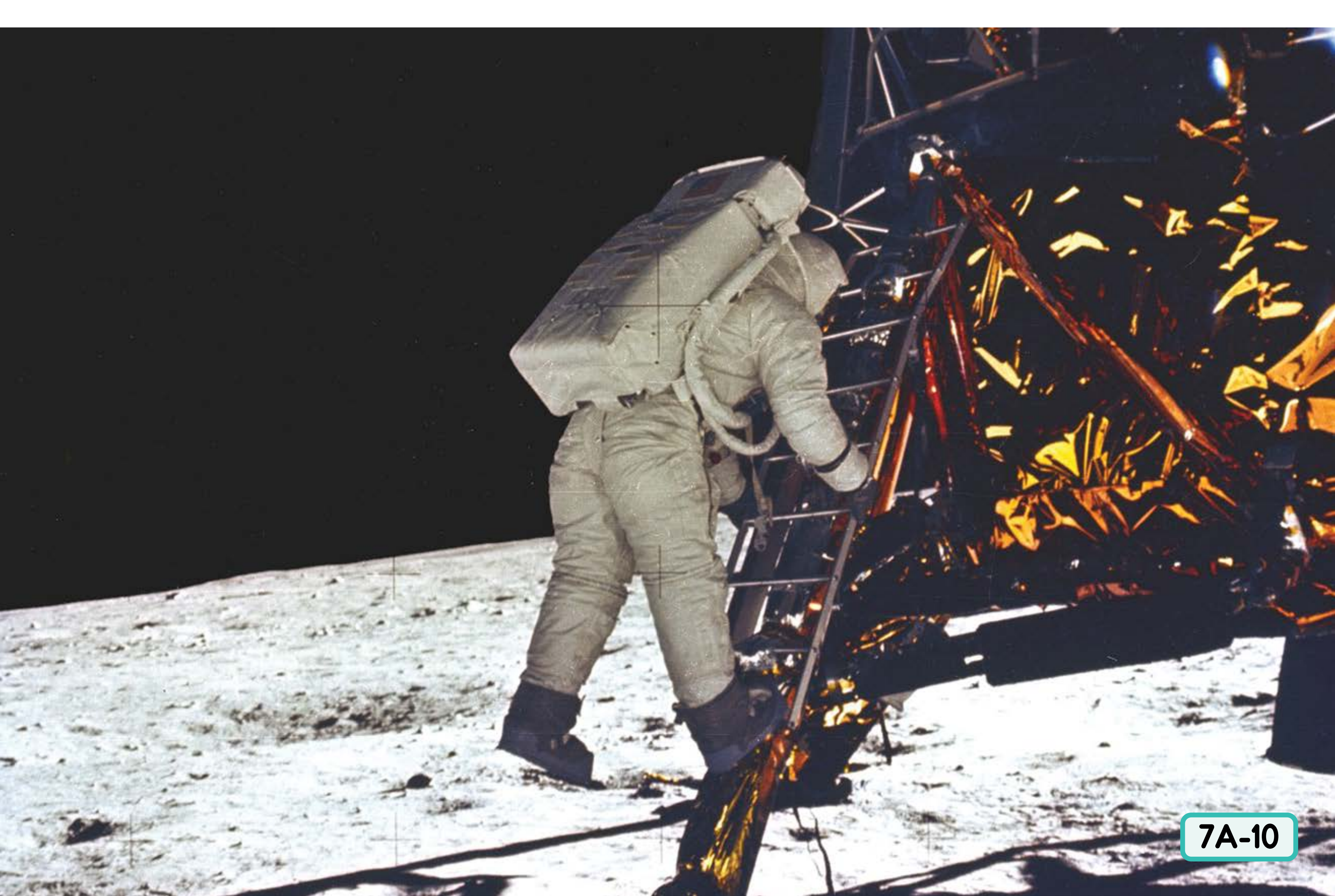


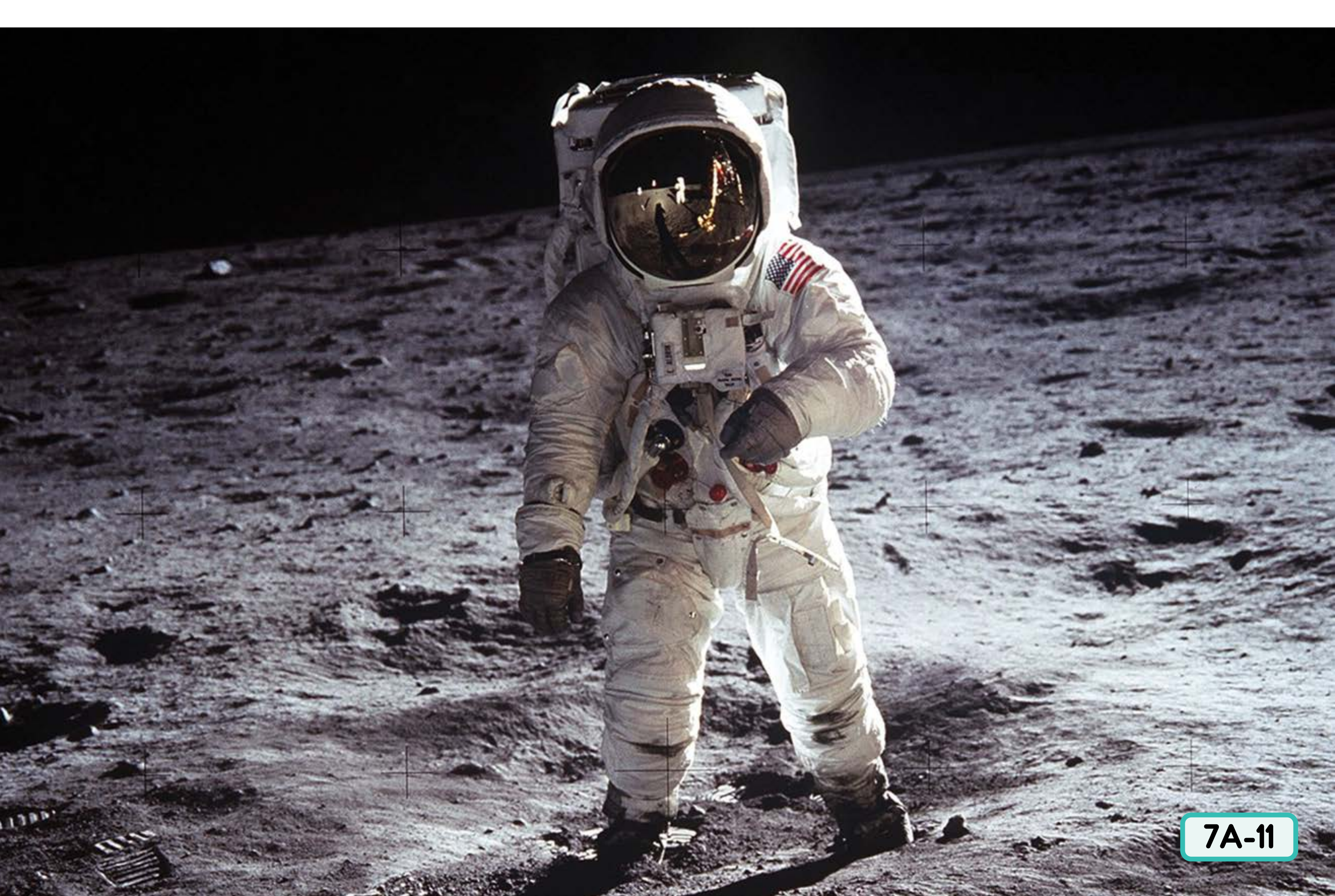
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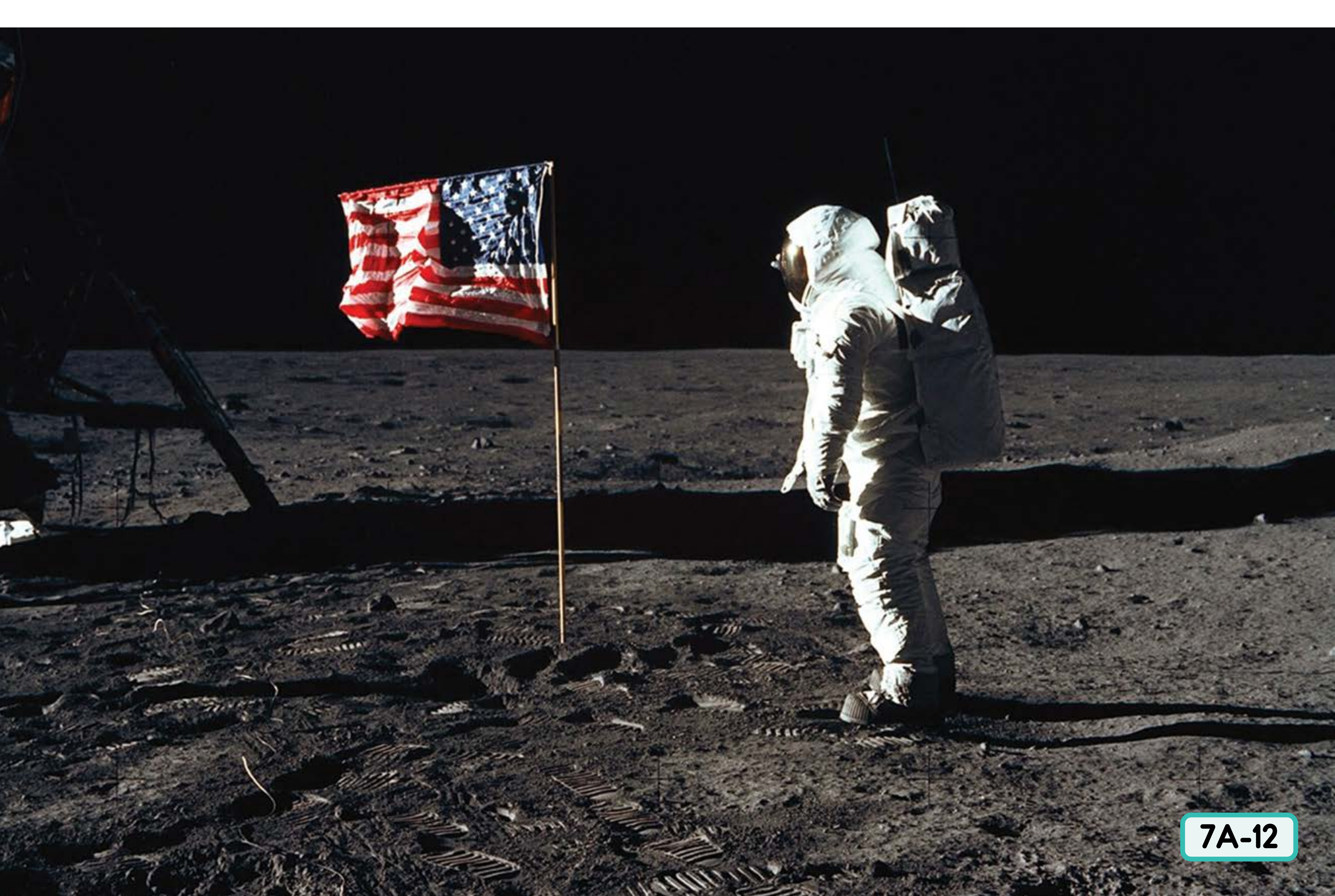








7A-11

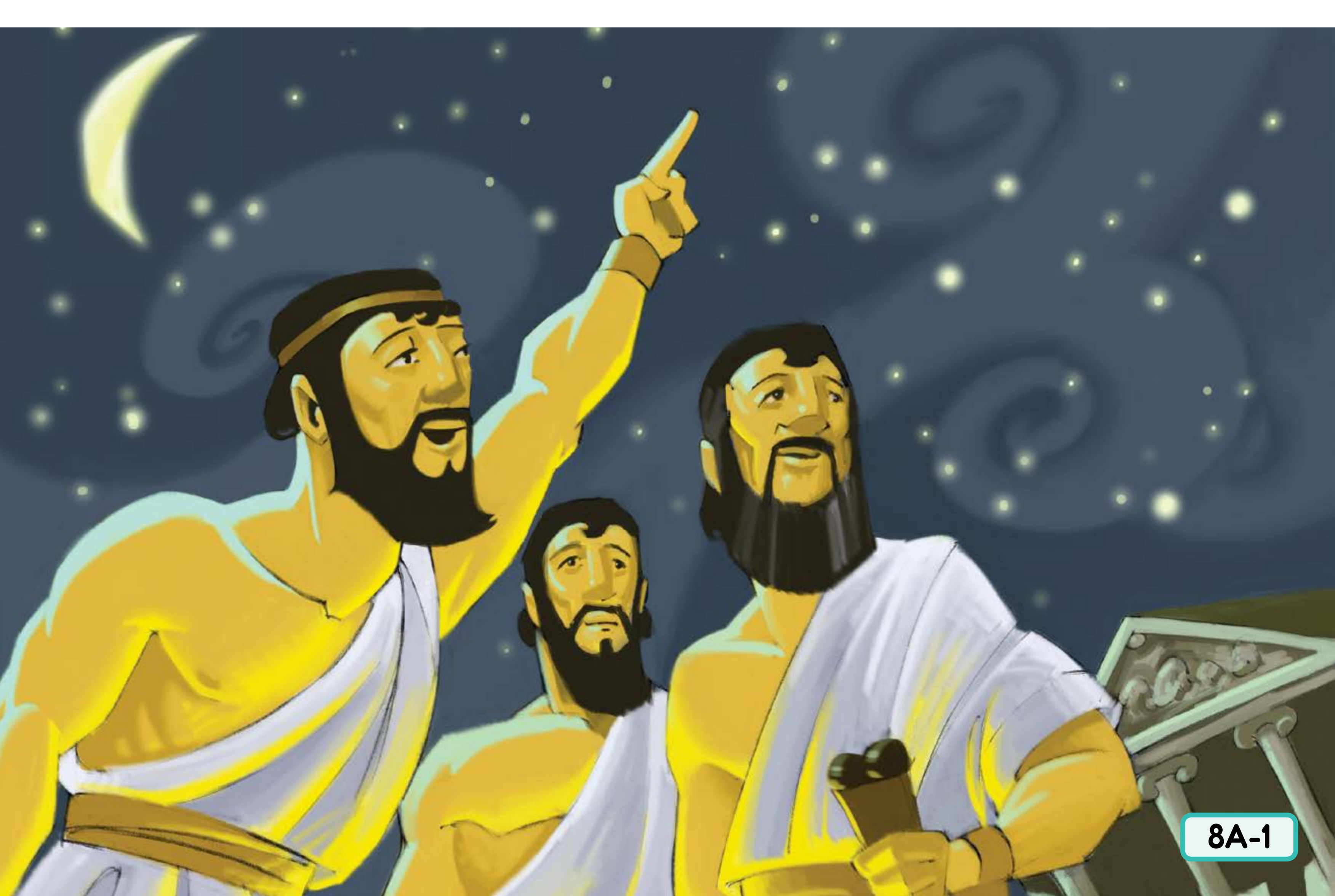


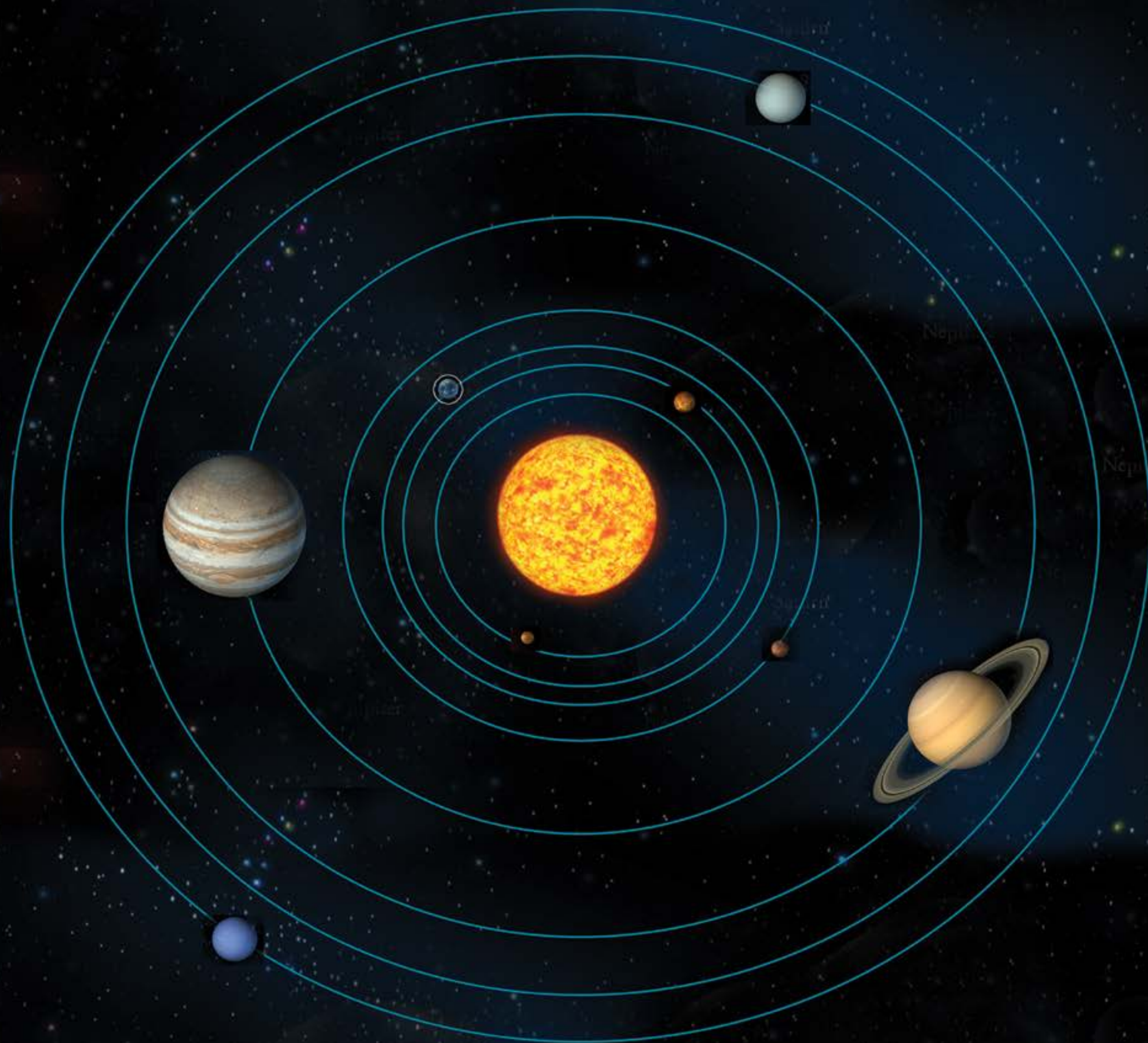
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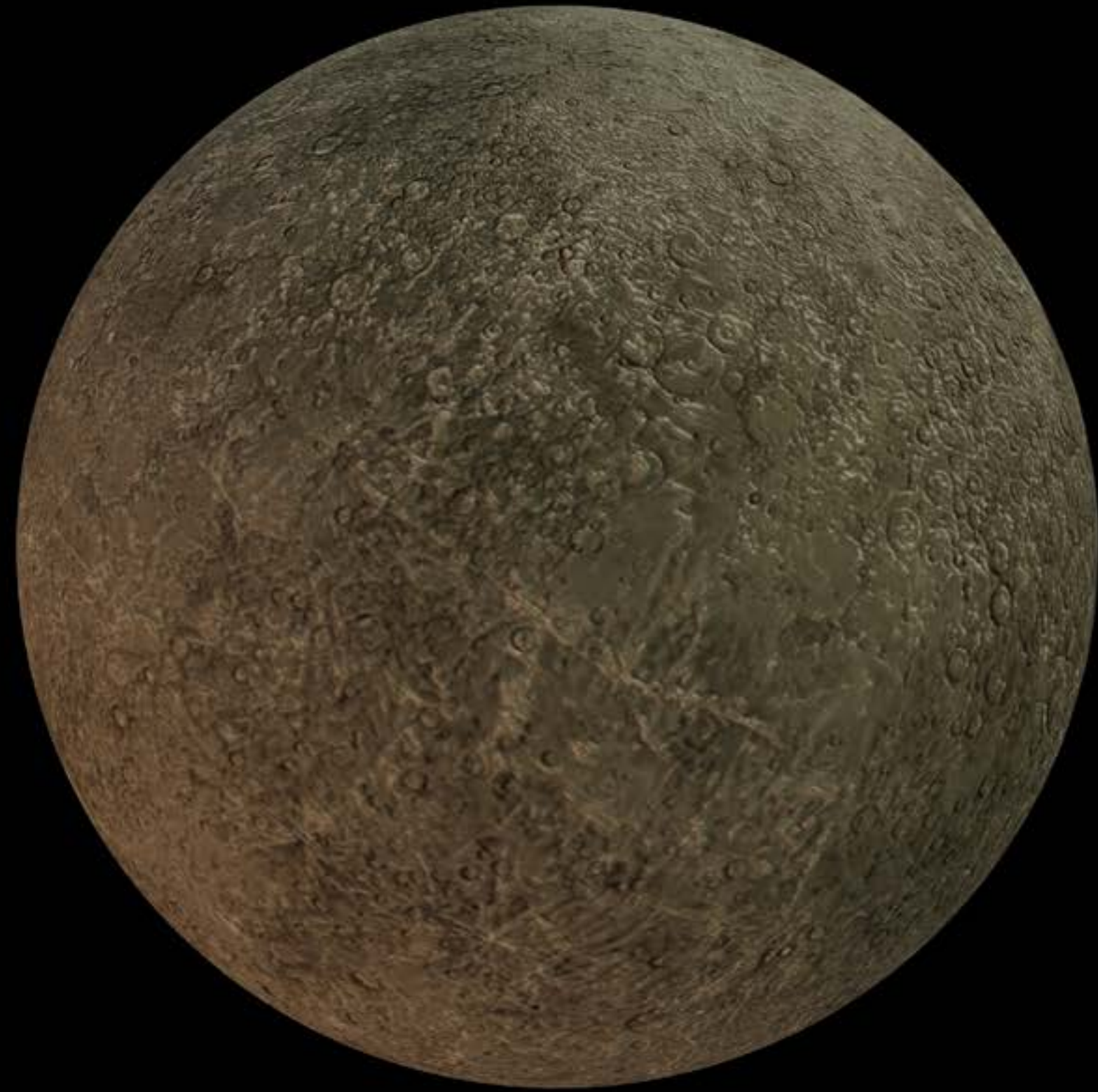


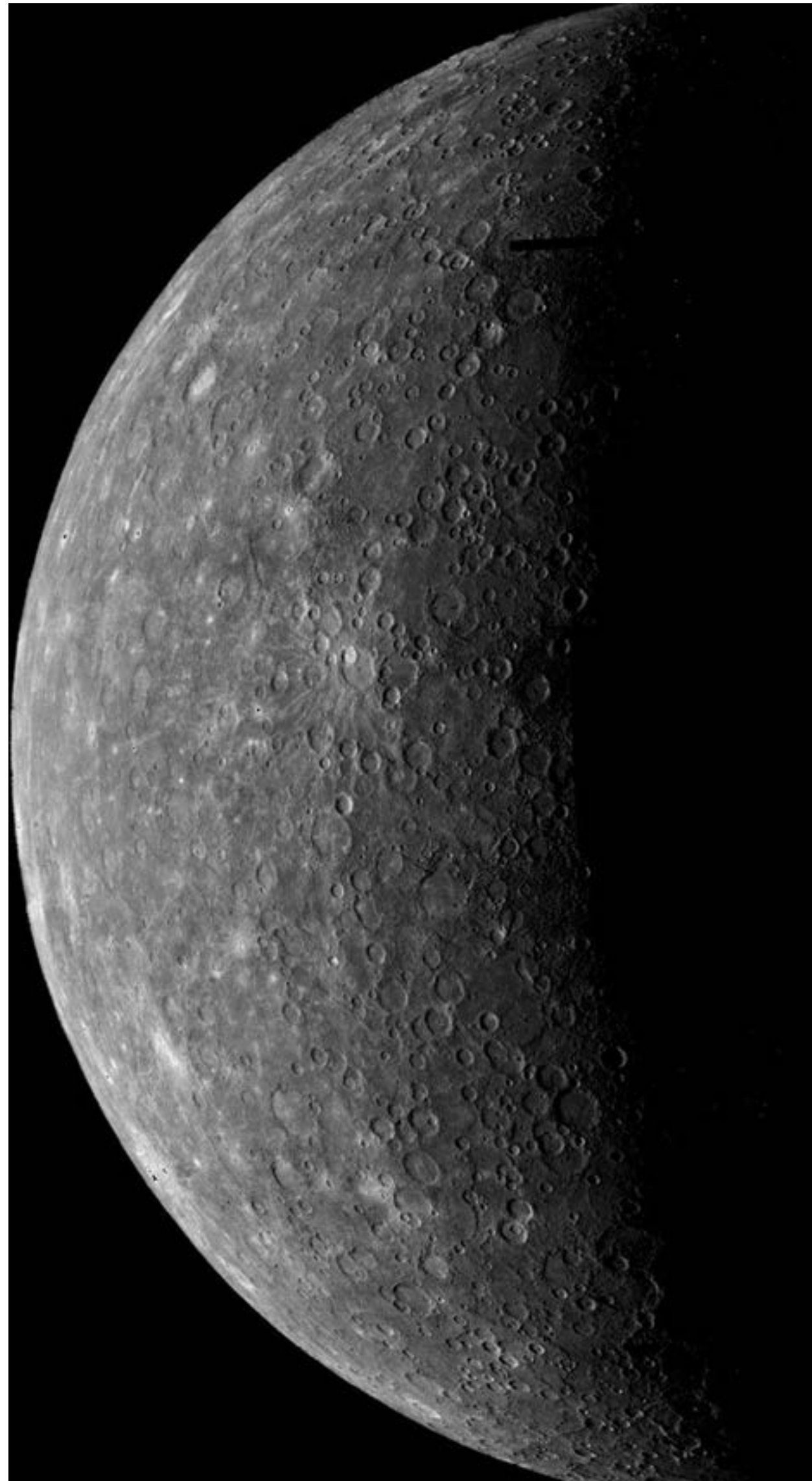
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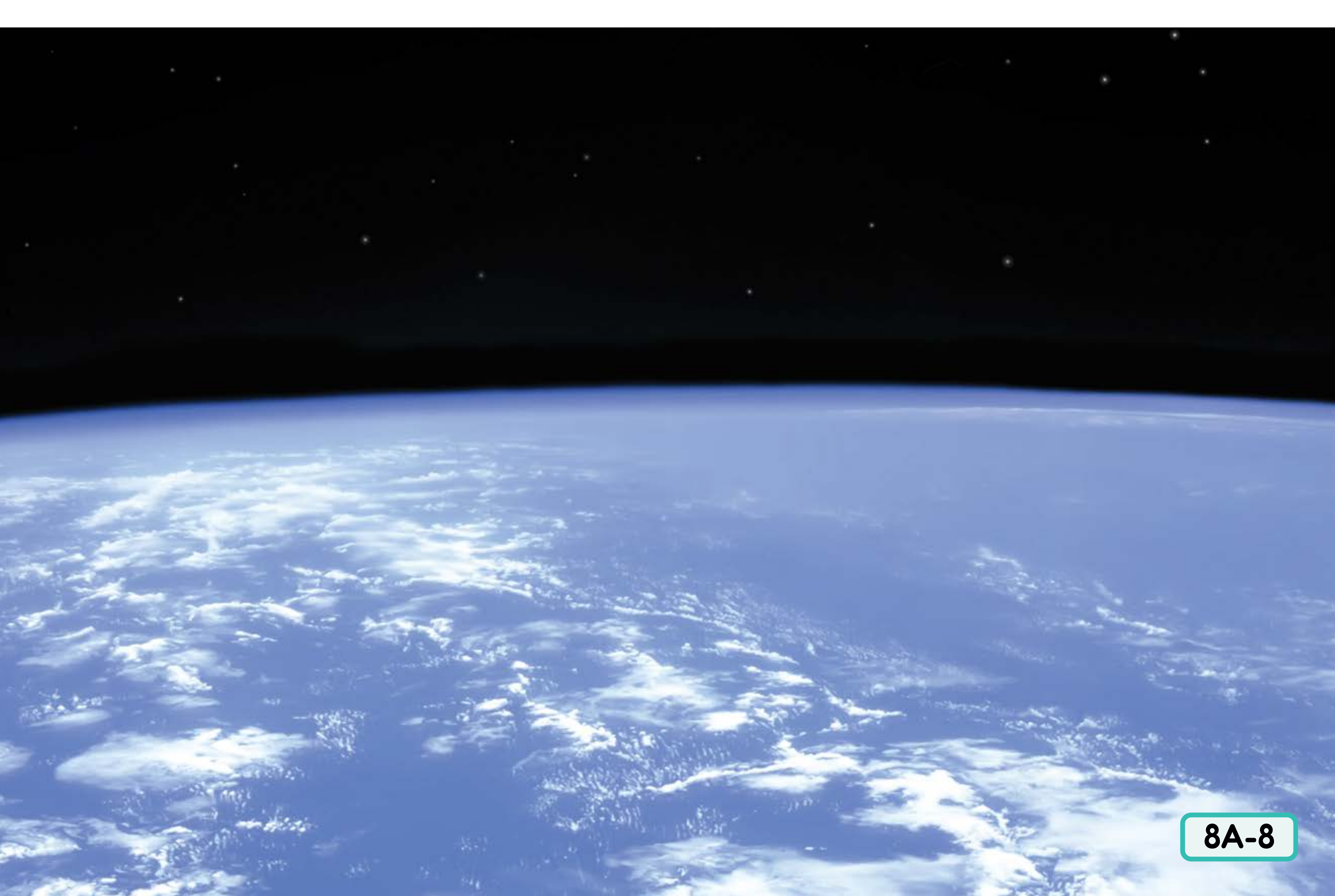


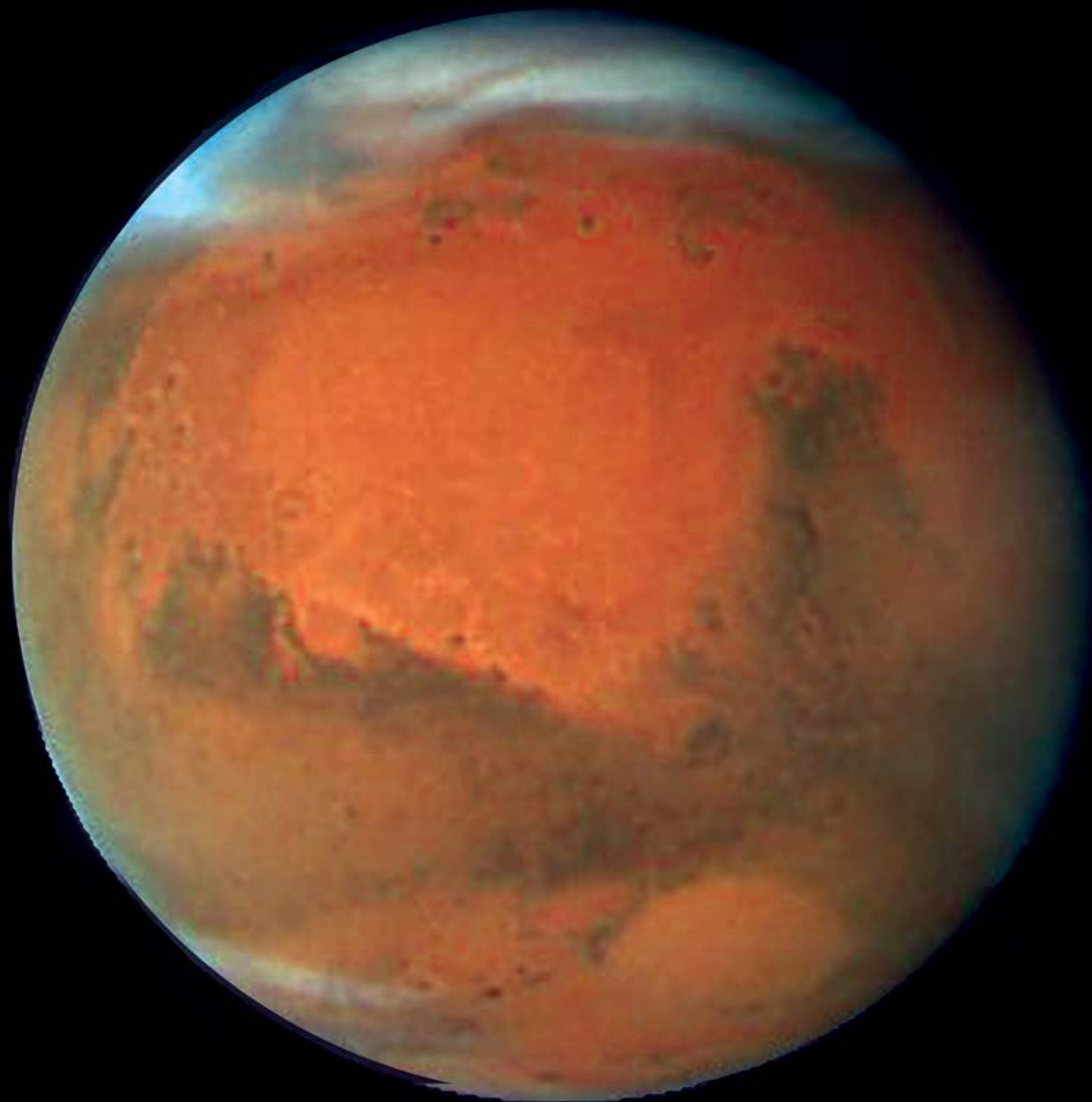






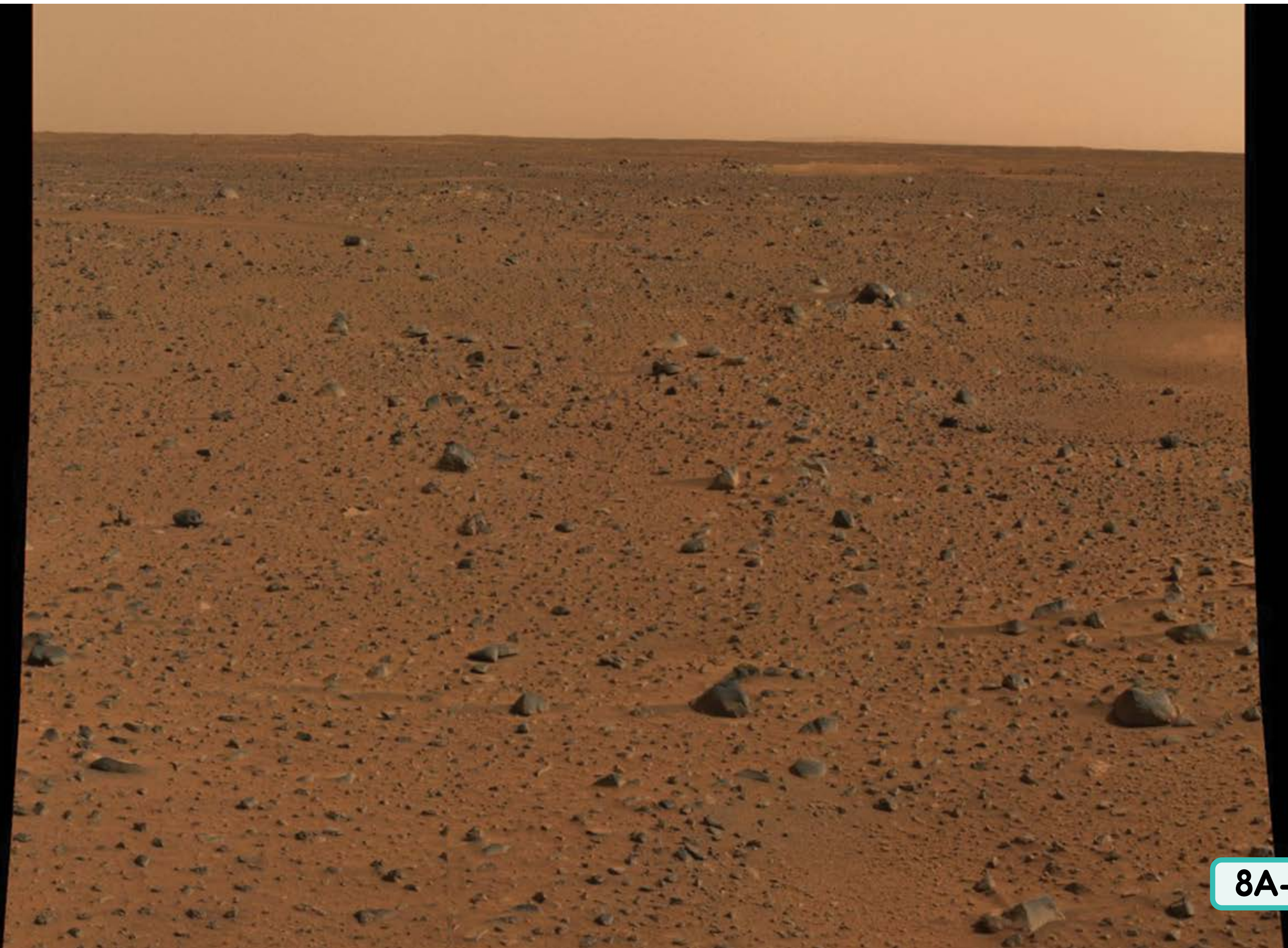


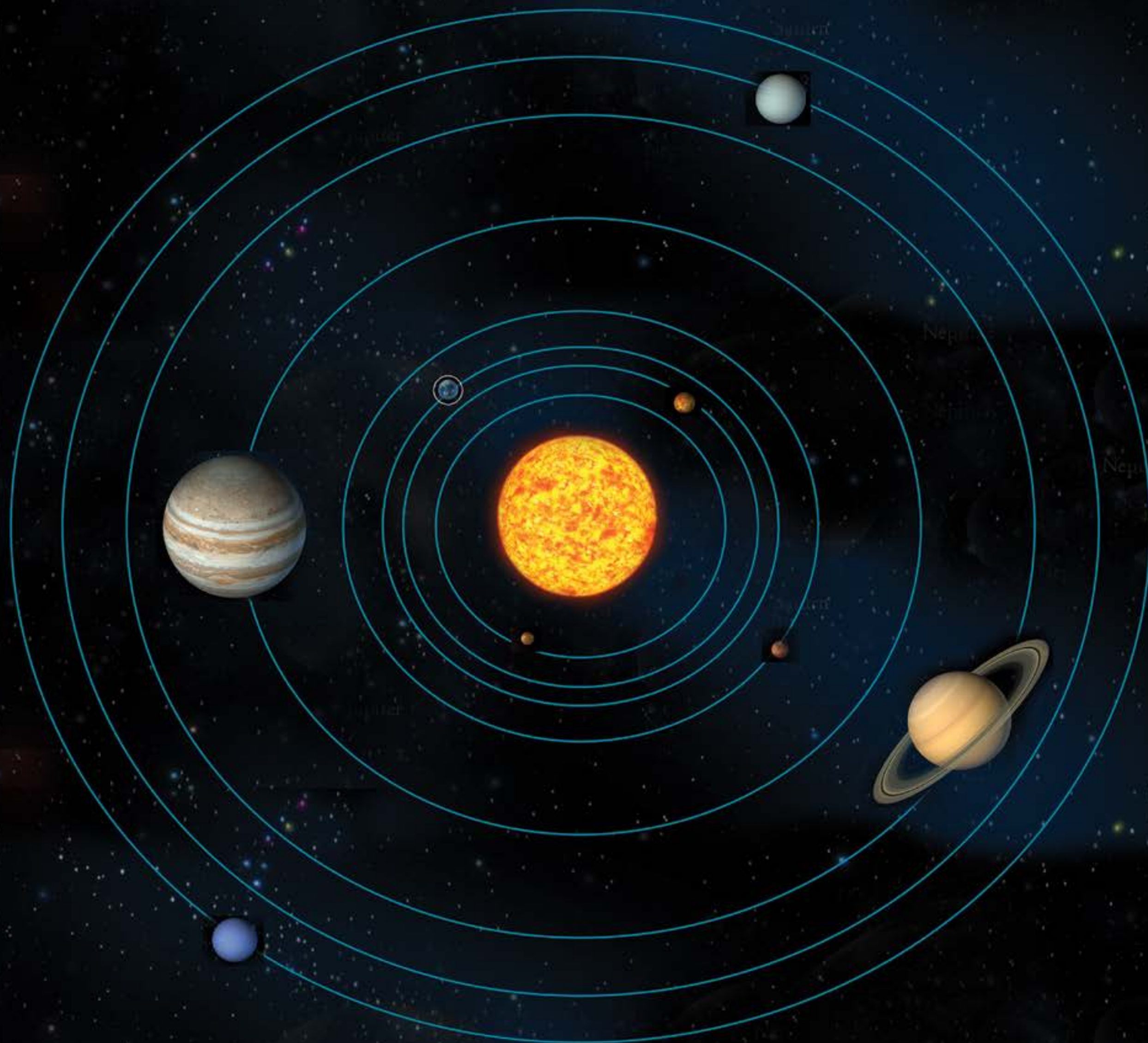


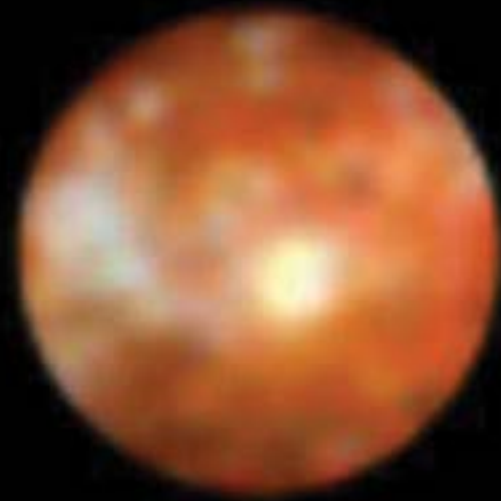




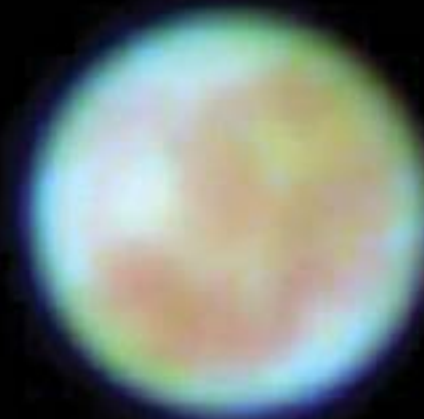
8A-10



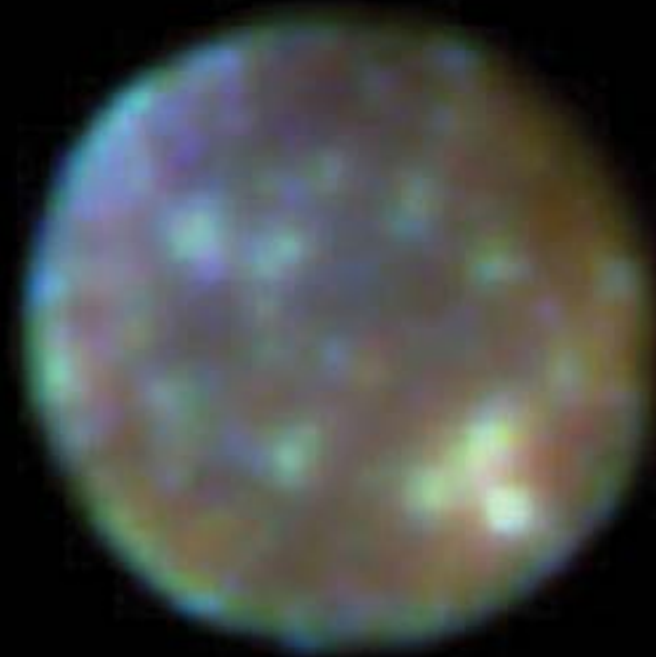




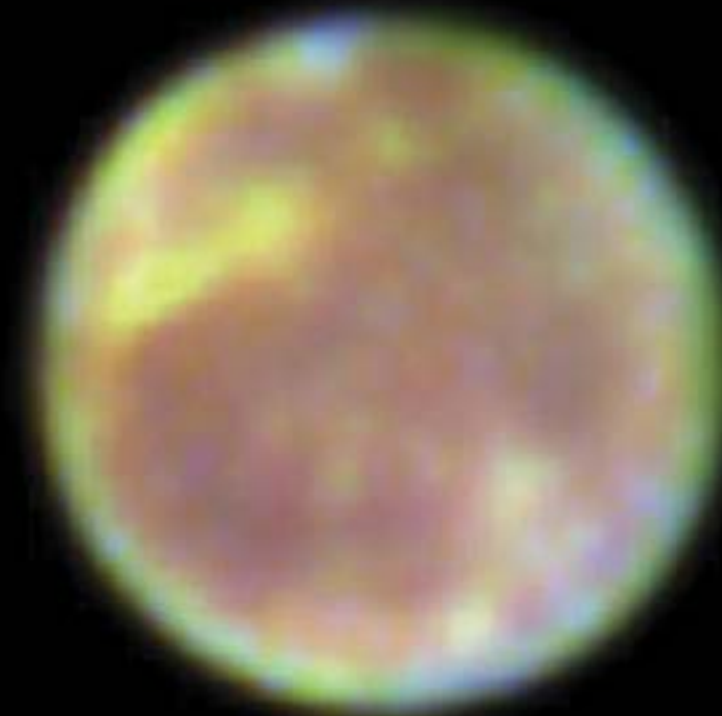
Io



Europa



Callisto



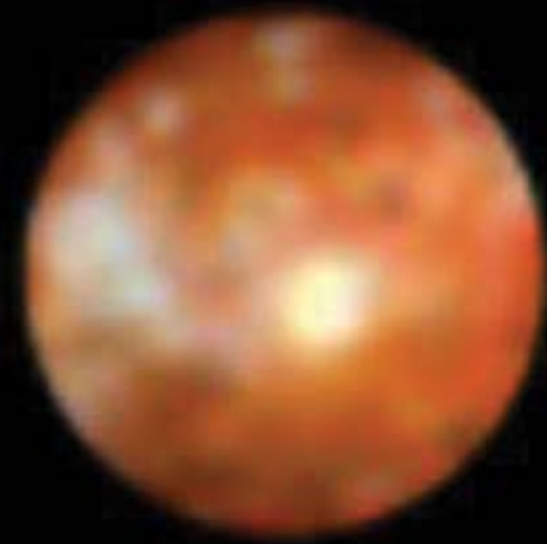
Ganymede

Jupiter's Galilean Satellites HST • WFPC2

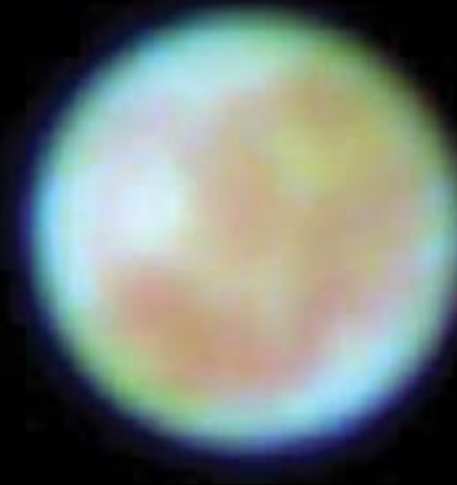
PRC95-35 • ST ScI OPO • October 9, 1995

J. Spencer (Lowell Obs.), K. Noll (ST ScI), NASA





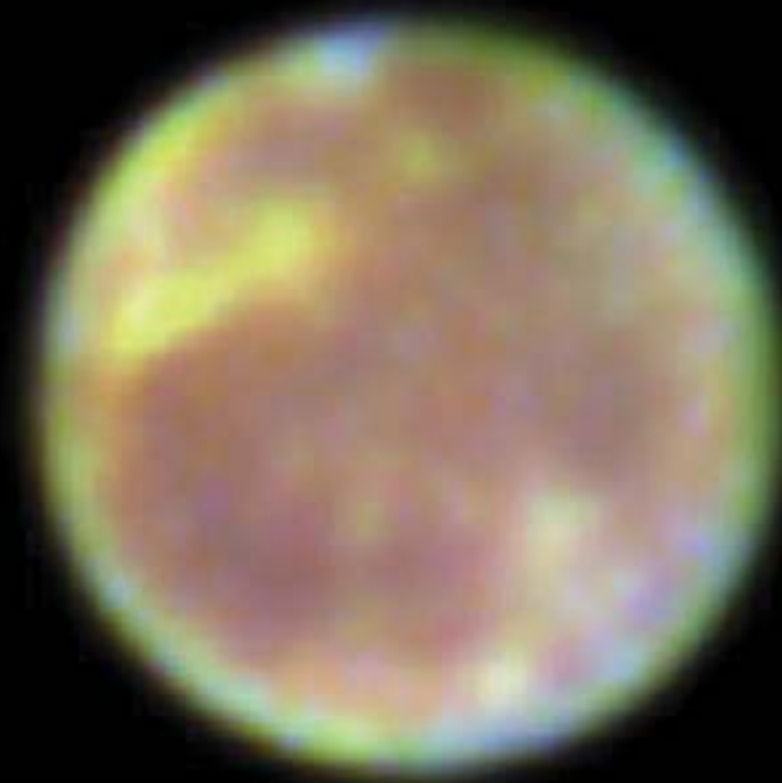
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Europa

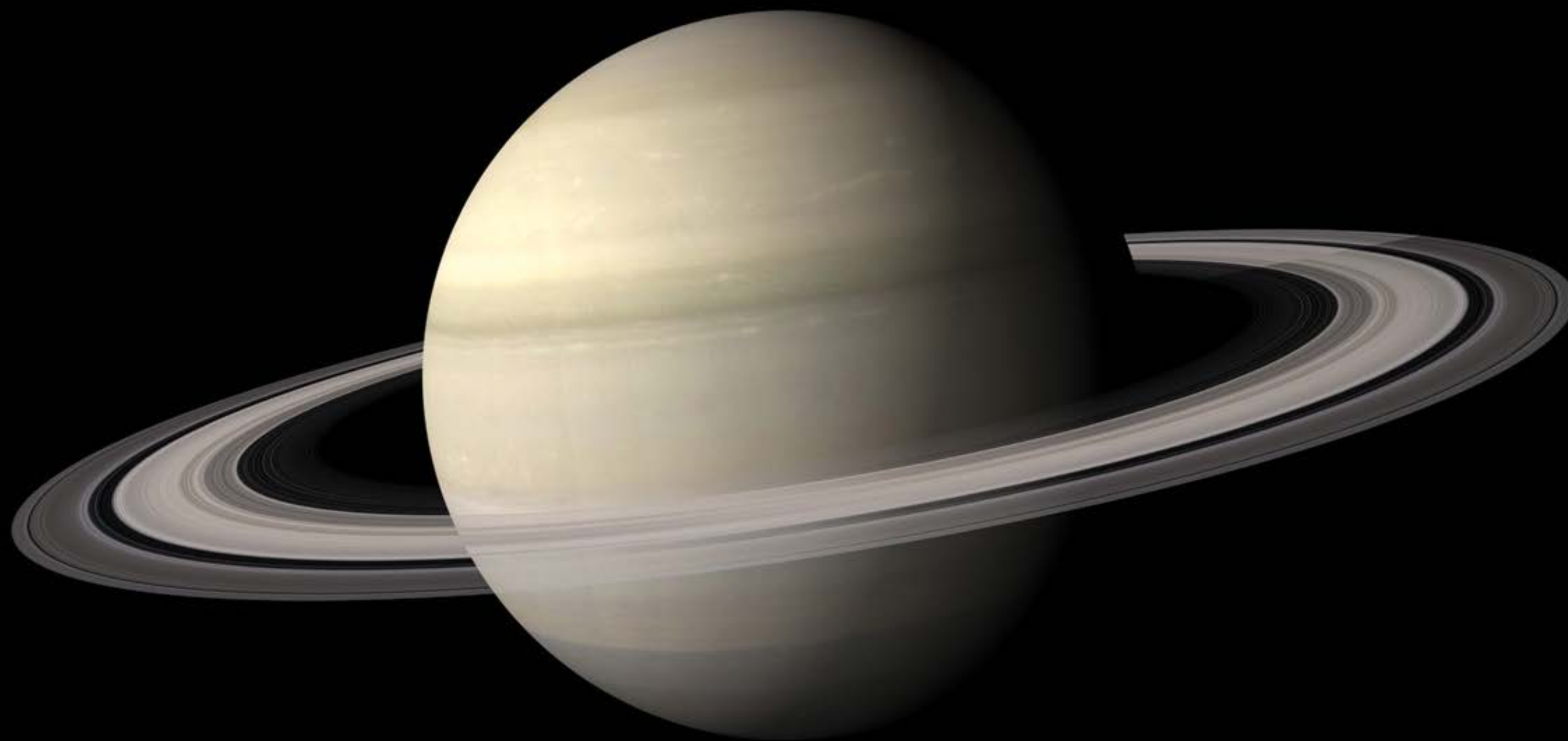


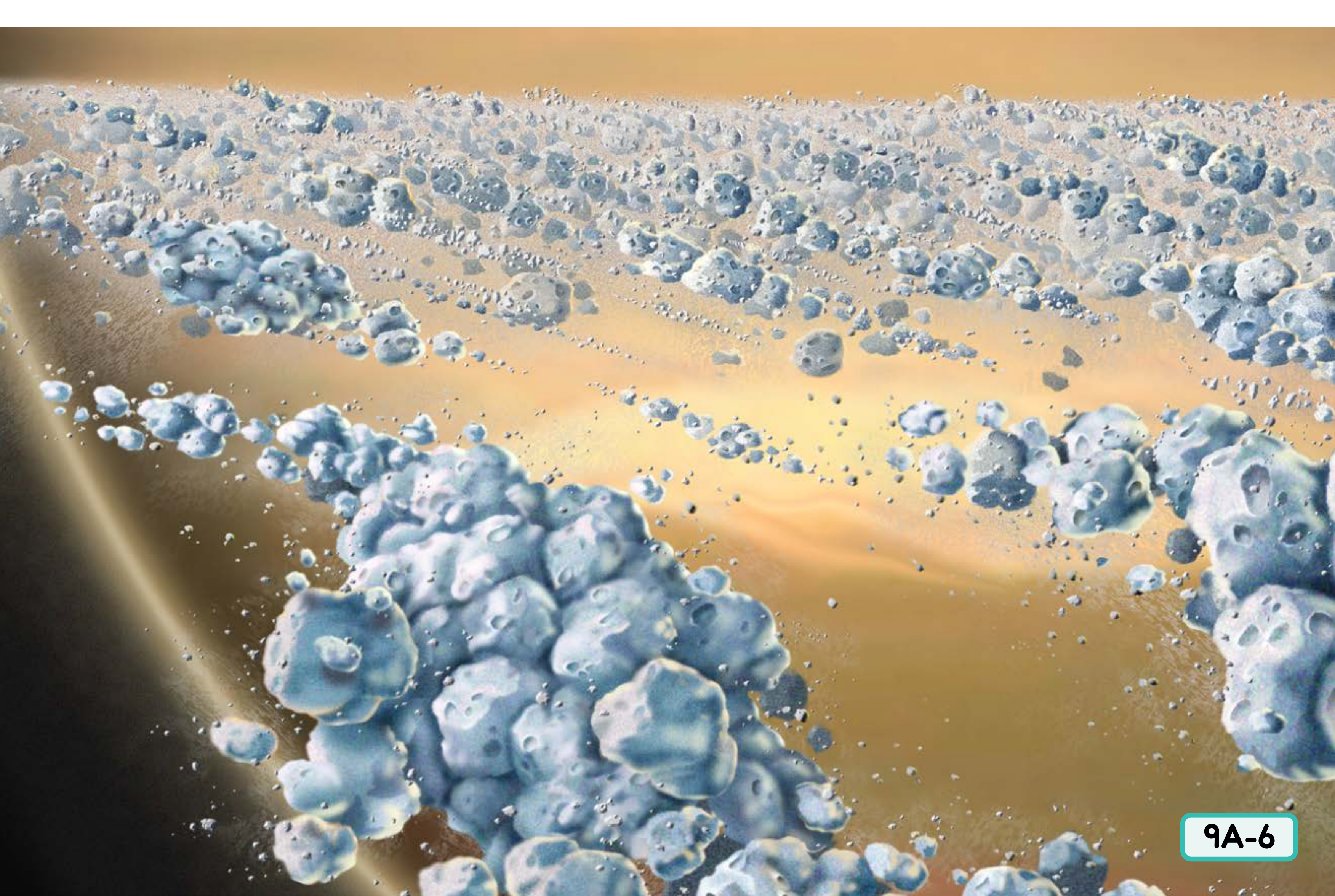
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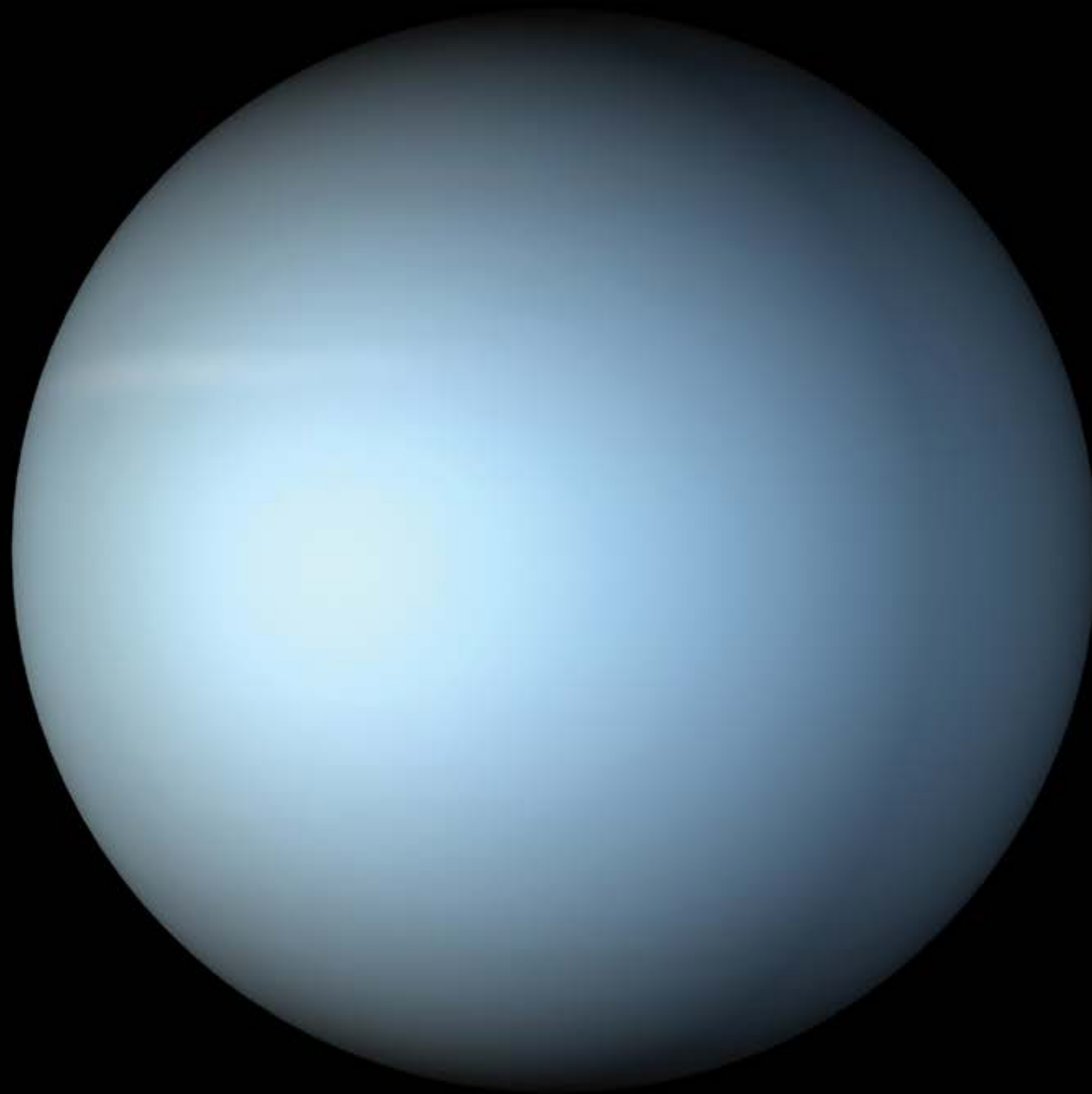


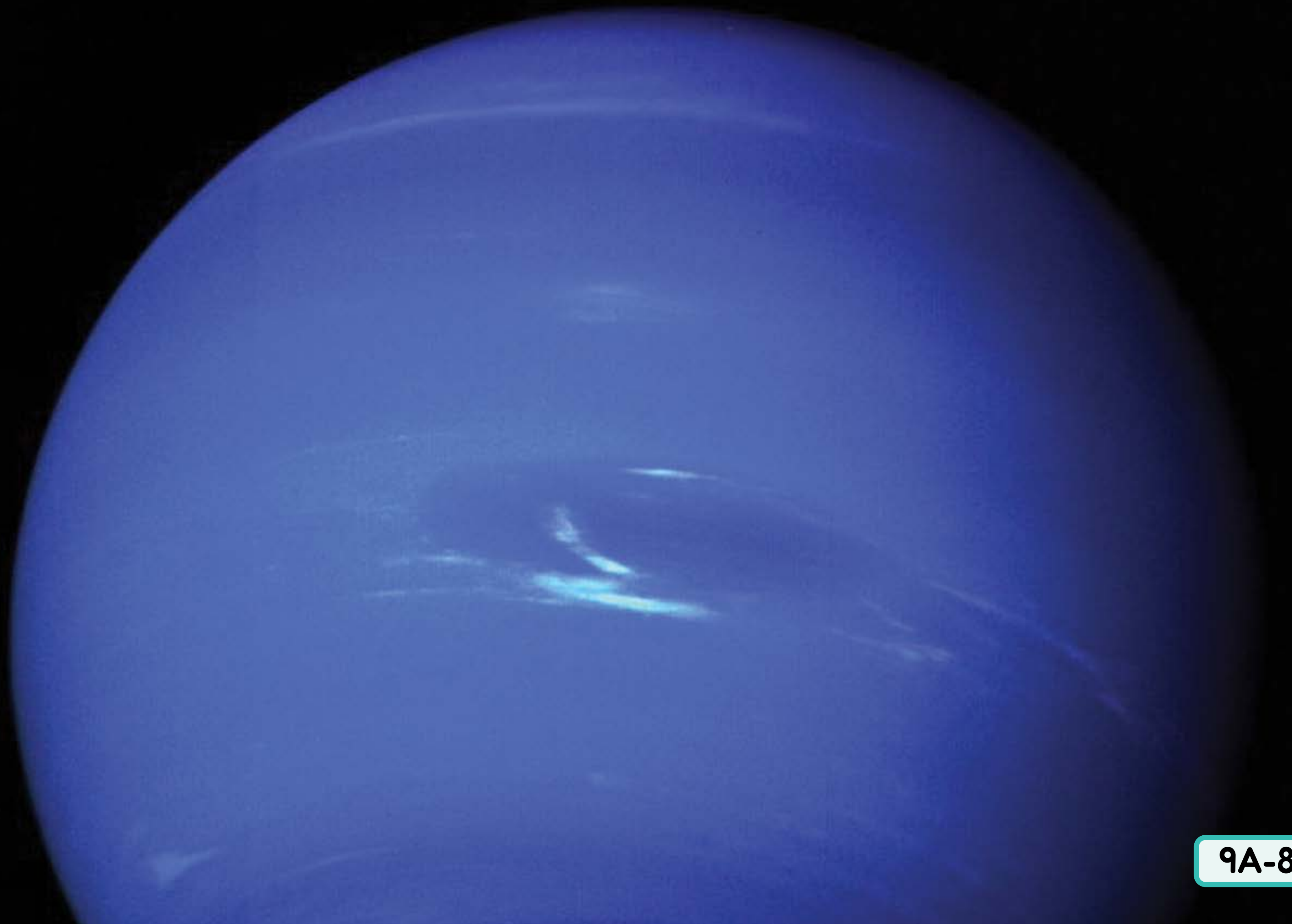
Ganymede

Jupiter's Galilean Satellites HST • WFPC2









9A-8



Grade 1

Unit 4

Astronomy: Space Exploration

Multiple-Meaning Word Posters

Multiple-Meaning Word Posters

The poster(s) in this Flip Book may be cut out and displayed on the classroom wall for the duration of the unit.

1



2

BIG HAT





Space (Poster 1 M)

1. the region beyond the Earth's atmosphere in which there are stars and planets (*noun*)
2. a blank area separating written or printed words (*noun*)

Astronomy: Space Exploration | Multiple-Meaning Word Poster 1 of 4

1



2



3





Ship (Poster 2M)

1. a large spacecraft (*noun*)
2. a large boat used for traveling long distances over the sea (*noun*)
3. to send a package through the mail (*verb*)

Astronomy: Space Exploration | Multiple-Meaning Word Poster 2 of 4

1



2





Pride (Poster 3M)

1. a feeling of happiness that you get when you or someone you know does something good (*noun*)
2. a group of lions (*noun*)

1



2





Color (Poster 4M)

1. a quality that you see when you look at something, such as red, blue, green or yellow (*noun*)
2. to draw or fill in a picture with crayons, markers, or colored pencils (*verb*)

Astronomy: Space Exploration | Multiple-Meaning Word Poster 4 of 4

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