HOW TO DRAW



NASA'S SPACE LAUNCH SYSTEM

2

ORION SPACECRAFT

THE ORION SPACECRAFT'S CREW MODULE CAN HOLD UP TO FOUR ASTRONAUTS.

CORE STAGE

THE CORE STAGE STORES LIQUID HYDROGEN, LIQUID OXYGEN AND THE SYSTEMS FEEDING THE STAGE'S FOUR RS-25 ENGINES.

SOLID ROCKET BOOSTERS

THE BOOSTERS HELP THE ROCKET REACH THE SPEED NECESSARY TO LEAVE THE EARTH BEHIND: 17,500 MILES PER HOUR!

> National Aeronautics and Space Administration



WE ARE GOING!

WITH THE **ARTEMIS** PROGRAM, NASA WILL LAND THE FIRST WOMAN AND NEXT MAN ON THE MOON BY 2024, USING INNOVATIVE TECHNOLOGIES TO EXPLORE MORE OF THE LUNAR SURFACE THAN EVER BEFORE.

LEARN MORE: NASA.GOV/ARTEMIS

THE SPACE LAUNCH SYSTEM WORLD'S MOST POWERFUL ROCKET

1/M

THE GATEWAY OUTPOST ORBITING THE MOON

ARTEMIS GENERATION

SPACE SUITS

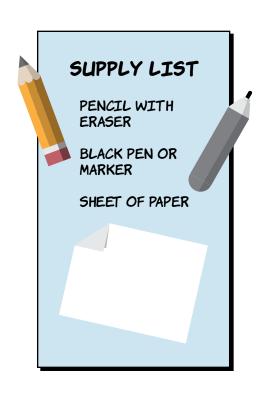


LET'S DRAW THE SPACE LAUNCH SYSTEM ROCKET!

THE ROCKET CAN BE DRAWN USING SIMPLE SHAPES. IT IS MADE OF SEVERAL SETS OF CONES AND CYLINDERS.

USING THE PENCIL, DRAW A VERTICAL LINE AND A SERIES OF OVALS THAT YOU WILL USE TO CREATE THE BASIC SHAPE OF THE ROCKET.

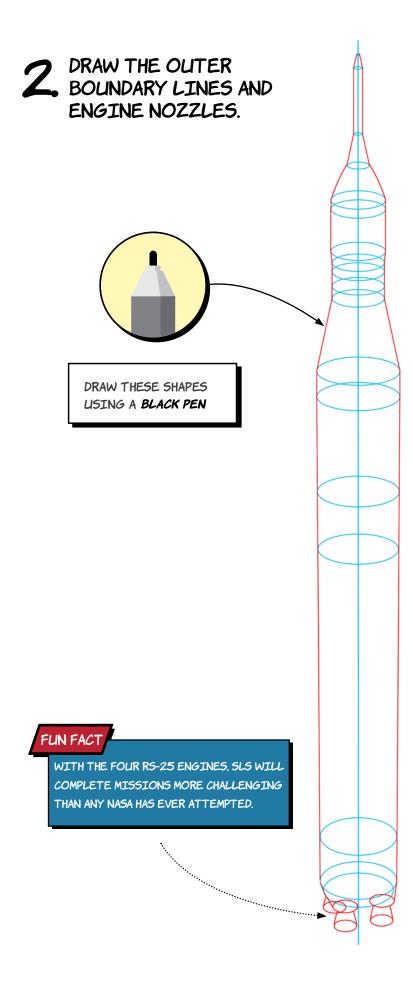
> DRAW THESE SHAPES USING A PENCIL



THIS ACTIVITY REQUIRES A PENCIL AND A BLACK PEN OR A MARKER.

YOU WILL USE THE PENCIL TO DRAW THE GUIDELINES AND THE MARKER TO DRAW THE FINAL SHAPES FOR EVERY STEP.

THE CURRENT SHAPES TO BE DRAWN ARE SHOWN IN RED.

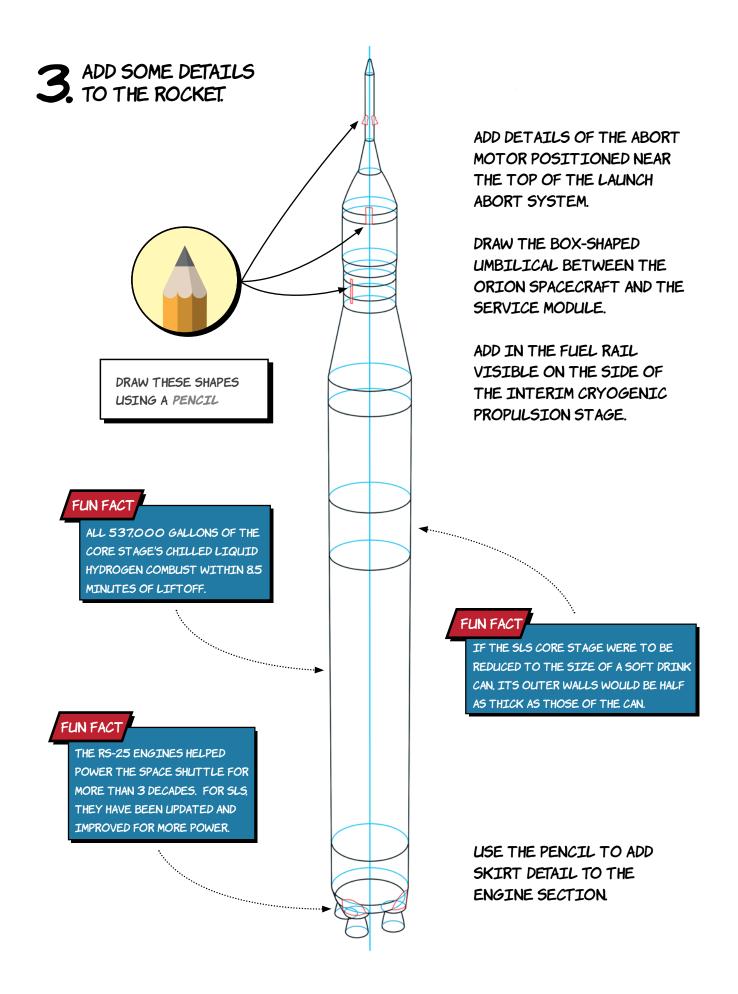


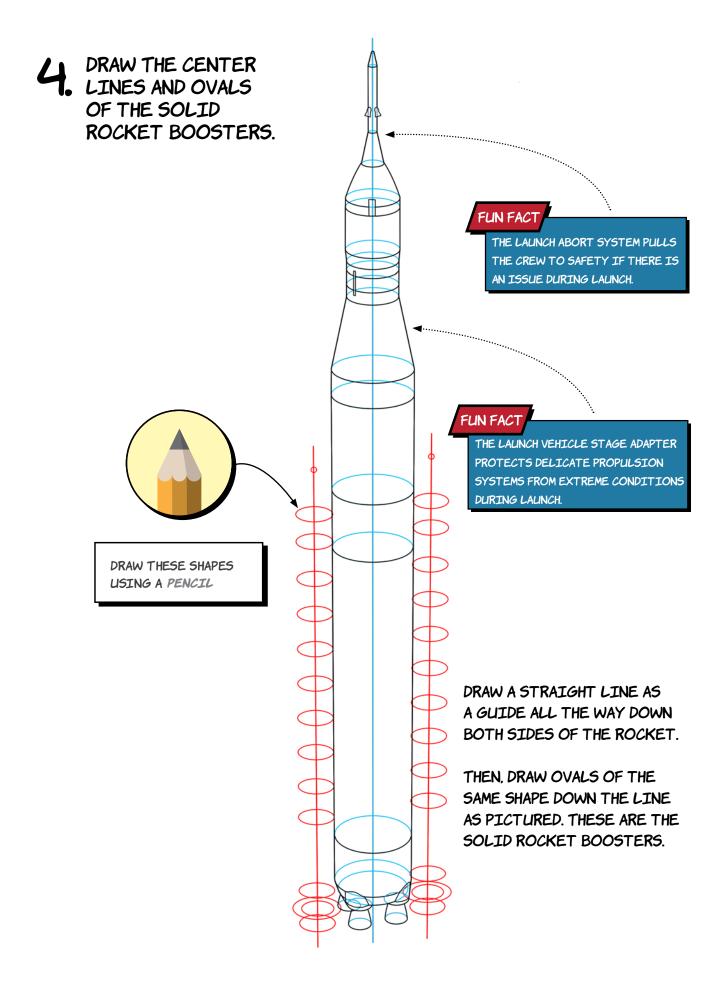
DRAW THE OUTLINE OF THE UPPER STAGE OF THE ROCKET, FOLLOWING THE SHAPE OF THE OVALS ALL THE WAY TO THE CONE-LIKE LAUNCH VEHICLE STAGE ADAPTER.

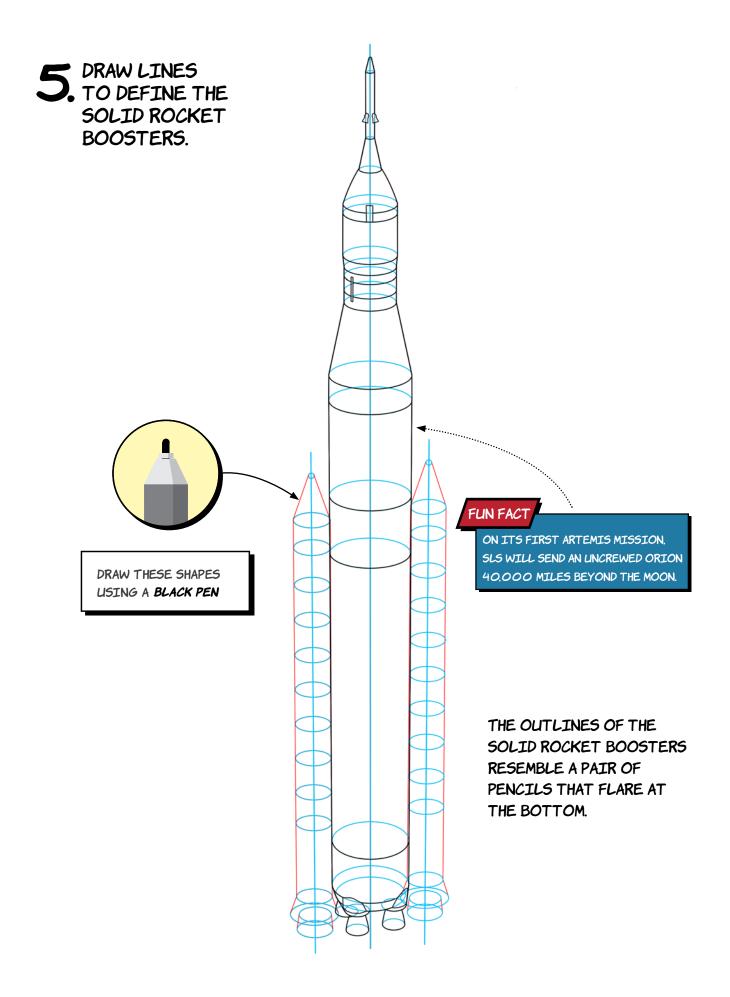
THIS CREATES THE SHAPE OF THE UPPER STAGE OF THE SLS ROCKET AND THE ORION SPACECRAFT.

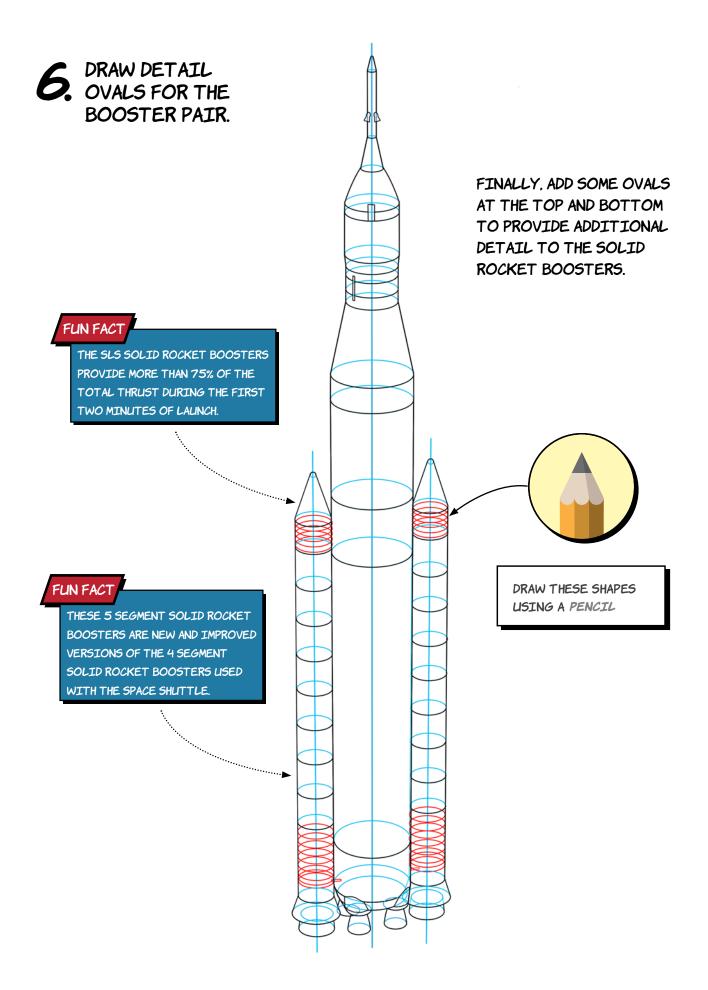
FROM THE CONE SHAPE OF THE LAUNCH VEHICLE STAGE ADAPTER, OUTLINE THE LARGEST PART OF THE ROCKET - THE CORE STAGE.

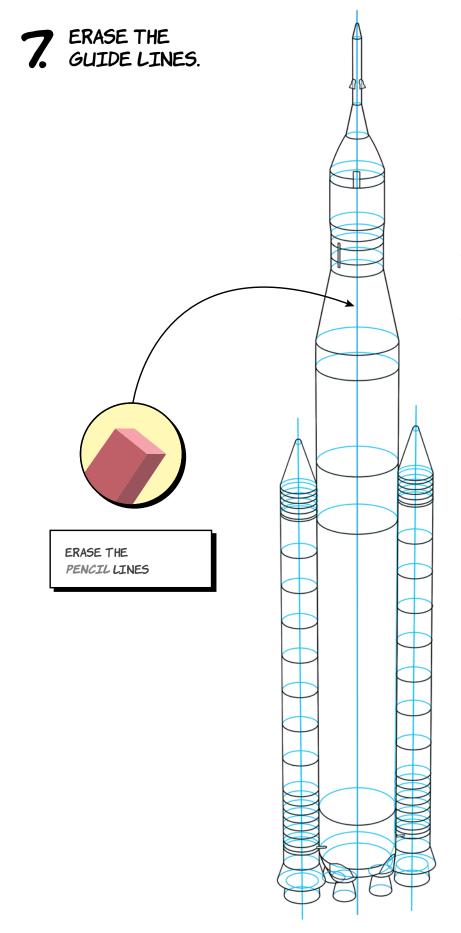
COMPLETE THE ENGINE SECTION BY ADDING THE OUTLINES OF RS-25 ENGINES AT THE BASE OF THE CORE STAGE.





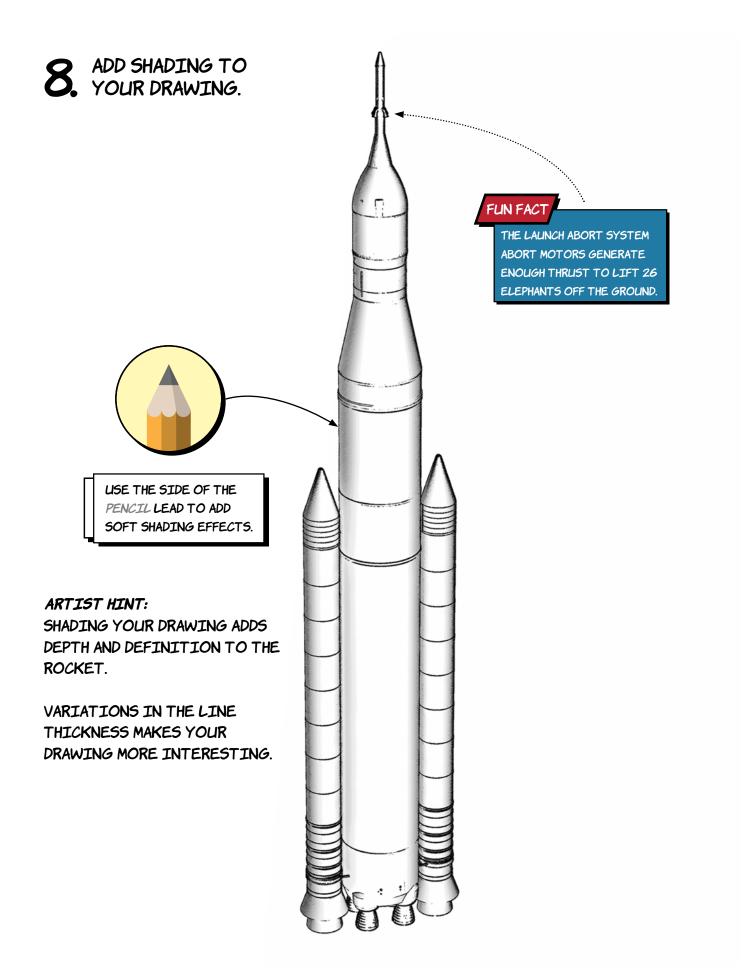


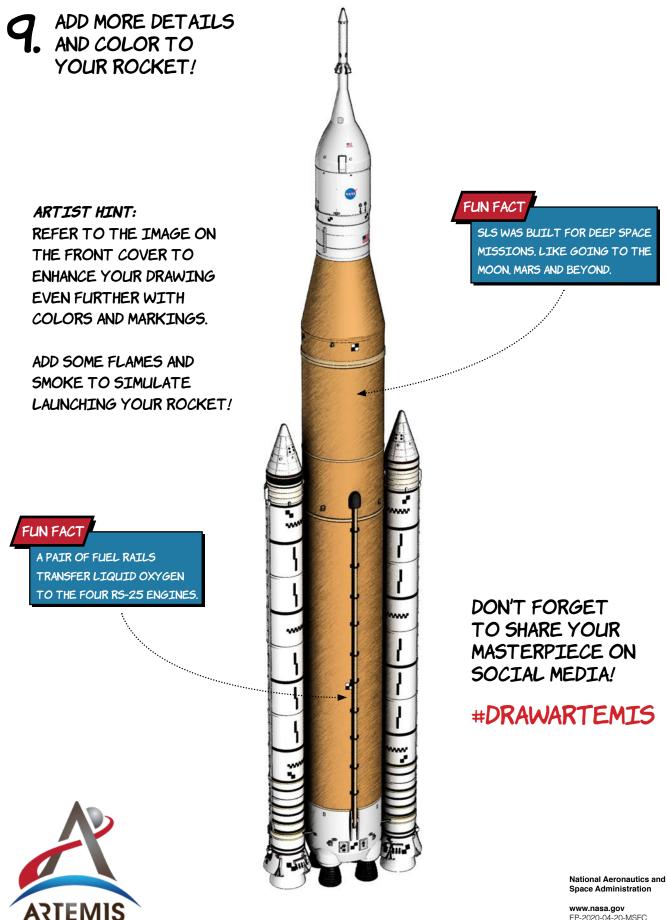




ERASE THE PENCIL GUIDELINES. THEY ARE SHOWN HERE IN BLUE.

ONLY THE INK DRAWING SHOULD REMAIN. YOU'RE NOW READY TO ADD SHADING.





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