

# DESIGN YOUR OWN SAMPLE RETURN MISSION!



If you were to design your own sample return mission, where would you go? Why? How would you design your spacecraft and your sample collector? What would your collected samples look like? In the spaces below, provide information and sketches that showcase your mission design. Design your mission patch on the back side of this page.

**SAMPLE RETURN MISSION NAME:**

**TARGET SOLAR SYSTEM OBJECT:** \_\_\_\_\_

Briefly explain why a sample return mission to this world is important:

**MISSION SPACECRAFT DESIGN:** *(Sketch a design of your spacecraft.)*

**SAMPLE COLLECTOR DESIGN:**

*(Sketch a detailed view of your sample collector design.)*

**TARGET SAMPLES:**

*(Sketch what the collected samples will look like.)*

Design your own mission patch. Look at the sample return mission patch examples and consider what elements are important to include in your mission patch design. Your mission patch should tell a story about your mission.

**MISSION DESIGNER NAME:**

**MISSION PATCH DESIGN:**

**SAMPLE RETURN MISSION  
PATCH EXAMPLES**

