MSL rover class reference

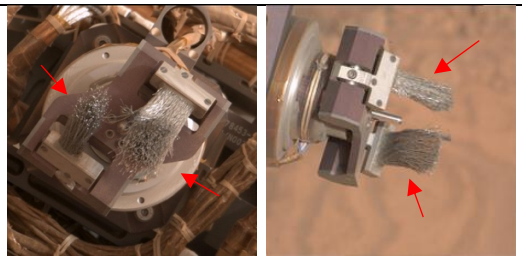
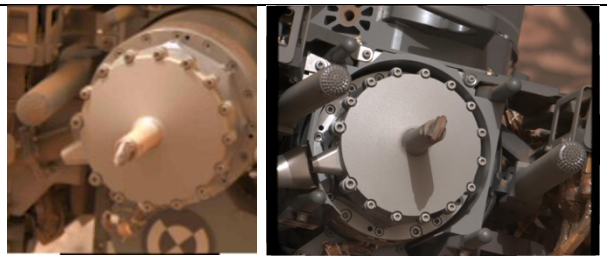
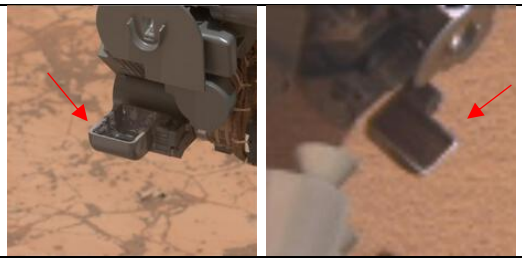
Instructions:

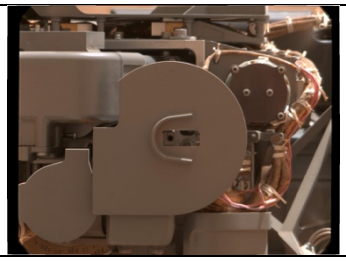
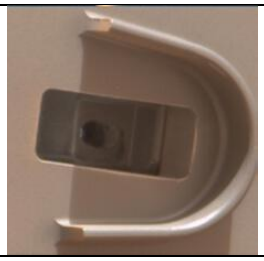
(1) Assign one class label per image, based on what is **dominant**.

(2) Rover parts are divided into groups based on their location on the rover:

a. **Turret**: the cluster of instruments on the end of the rover's arm
b. **Arm**: parts of the rover's arm
c. **Front**: instruments attached to the front of the rover body
d. **Mast**: instruments on the mast (rising above the rover body)
e. **Deck**: instruments on the rover's deck (flat top of the body)
f. **Wheel**: parts of the rover's wheels

Turret group:

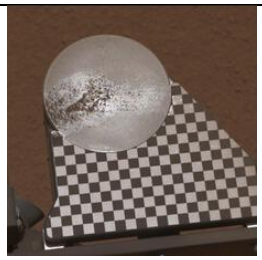
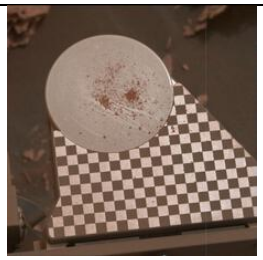
Turret: View of the turret, with no particular instrument distinguished.	
DRT: The Dust Removal Tool (brush); may be viewed from different angles.	
Drill: Rotary drill used to dig into rocks.	
Scoop: Small scoop used to collect samples.	

MAHLI: Close-up camera with a half-circle cover that may be open or closed.	
Portion tube	 

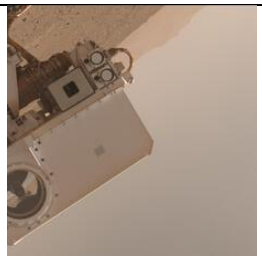
Arm group:

Arm cover: Protects arm from dust; marked with the word "CURIOSITY" and an icon of the rover.	
Arm joint: nested cylinders that allow the arm to pivot on its elbow or shoulder. Only select this class if it is the dominant item in the image (**otherwise use the natural feature type of the surface**).	(arm joint) (outcrop)

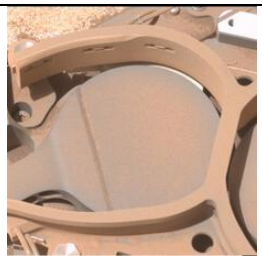
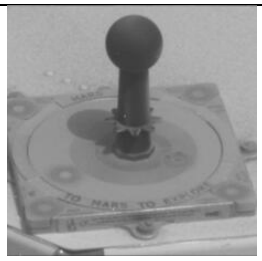
Front group:

Observation tray: Where drilled/scooped rock samples are delivered for analysis by the APXS.	 

Mast group:

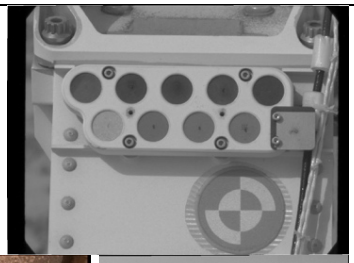
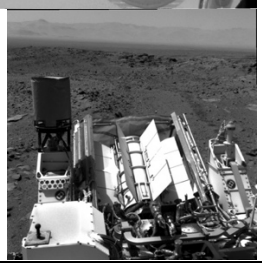
REMS wind sensor: Small cylinder sticking out from the side of the rover's mast ("neck").	
Mastcam: Two (square) cameras mounted at the bottom of the mast. Pictures are often rotated since they are taken with the MAHLI instrument on the arm.	

Deck group:

SAM inlet: Port with two openings (but only one may be in view) with paddle-shaped covers.	
Mastcam cal target: "Joystick" shaped black post above calibration colors and words.	

Wheel group:

Wheel: One of six rover wheels.	
Wheel joint: Use only if it is the dominant item (e.g., occludes wheel); **otherwise use the natural feature type of the surface**).	(wheel joint) (ground)

Other rover part:

Rover parts not included in any other class.