

Global Precipitation Measurement Mission

Name: _____

Date: _____

GPM Core Observatory Activity Page

Use the "What in a Satellite?" information sheet to help you with the activities below.

Label the parts of the satellite using the word bank:

(Note: the propulsion module isn't included because it's not visible on this diagram)

- Avionics/Star Trackers
- Solar Panel (2)
- High Gain Data-Relay Antenna (HGA)
- GPM Microwave Imager (GMI)
- Dual-frequency Precipitation Radar (DPR)

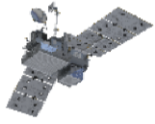


Match the part of the satellite with its function using the word bank:

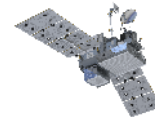
- | | |
|---------------|---------------------------------|
| power | type of precipitation |
| navigation | 3-D information about particles |
| communication | movement |

1. High Gain Data-Relay Antenna (HGA) _____
2. Avionics/Star Trackers _____
3. Solar Panels _____
4. GPM Microwave Imager (GMI) _____
5. Dual-frequency Precipitation Radar (DPR) _____
6. Propulsion Module / Reaction Wheels _____

Global Precipitation Measurement Mission



GPM Word Search



P Q P H T B Z P N N S Z E Q I S V F S S N Y G U M
 T A J N O D U E O A W T N V W T D Z O V C Y L N D
 T D H D B R O E I U N D A S A R J L N N J L O G P
 I G R Y U O X Z T R K T I R Y W A E E U O J B V E
 V T I C X H A M A S D K E P T R O U Z X Y T A F A
 G C U X H L Q V T A S R Q N P R Q R G I A C L Q D
 X M E X C F M X I I S J C A N E A H C P J T L Z A
 U E T S M Y U M P C V Z N X R A W C B I P D X V U
 F A I V P Z M B I G G E A F N Y C E K M M D V H E
 Y S L Y R F S N C E L P L R E W O P U E X A C L A
 R U L H U E O T E R X A K W D K R Y J J R X C T C
 H R E M E I G W R V U N O I T A G I V A N S G H K
 Q E T T V A K F P D C O M M U N I C A T I O N M Q
 M M A A O Z S X R W R L A G L L I O G F P F X M L
 E E S B H K C X D Z G B E M M I S S I O N H R T X
 G N P D W H T Y X B C K J I T L Q O V X E A L Z I
 J T O Y X X M M I N B U O Q V U E L V U D J J R P
 D O S Q P T S J R G K Z X J R M T Z S A V T J Q F
 K E D B X X R T H J L Z Z P H B D X R C U X E A G
 F L R B M T T Y Y I O G U Q J B E F H G T L F B B

Words to find:

antenna
avionics
communication

dual frequency
global
measurement

microwave
mission
navigation

power
precipitation
radar

satellite
solar panel
star trackers