



Software Glitch

The software on the Large Area Telescope failed, and must be reprogrammed.

Your opponent loses a Satellite or Object card. You choose and discard one of those cards from his or her hand, and place it in the Discard Pile.







Shake n' Bake

An instrument did not pass the heat and vibration testing to prepare for launch.

Your opponent returns any Satellite or Object card from the mat to his or her hand.







False Positive



Fermi detected a potential gamma ray, but it turned out to be a cosmic ray.

Your opponent loses 2 turns.

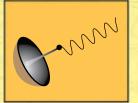




prevented Fermi from obtaining data.

Take any 2 cards from your opponent's hand.





Disorientation

Your opponent's satellite received signals from many different spots, and doesn't know where to point.

You discard one of your opponent's Action cards. Place it in the Discard Pile.







Lead Scientist

A lead scientist was assigned to another project.

Your opponent loses an Experience card. You choose the Experience card, and place it in the Discard Pile.







Funding Boost

Your proposal for further testing has been accepted, and NASA agrees to raise your budget.

Play another turn.





Eureka!

You found a faster and better analysis process for your data.

Discard 2 cards of your choice, and draw 2 cards from the Draw Deck.







Cooperation

The testing deadline is approaching. You cooperate with your opponent to get Fermi ready on time.

Trade one card with your opponent. You both can choose which cards to trade.





Unexpected Gamma-Ray Burst

An unexpected burst occured, and your satellite caught it!

You can play a Satellite or Object card - you do not need the required Experience cards.





ED Team Up

The Educators collaborated and did a workshop on Fermi at the National Science Teachers Association meeting.

Choose any card from the Draw Deck and then shuffle the deck.







Unexpected Event



The Science Team made huge progress in the construction of the Large Area Telescope towers.

Cancel the effect of an Action played by your opponent. This card can be played at any time during your turn or your opponent's turn.





The Fermi satellite's orbit is about 560 km in altitude.







Intense flashes of invisible light come from the edge of the cosmos.









Fermi's Gamma-ray Burst Monitor has 2 types of detectors to detect powerful bursts in a wide energy range.







Gamma-ray astronomy studies the most energetic objects and phenomena in the Universe.







Fermi orbits the Earth once about every 90 minutes.







The Fermi Gamma-ray Burst Monitor has 14 different detectors.







The Fermi Large Area Telescope sees almost one quarter of the sky at all times.







The Fermi Large Area Telescope sees almost one quarter of the sky at all times.







Fermi supports 10 Educators who teach about Fermi science around the country.







The Large Area
Telescope data provide
high resolution maps of
the gamma-ray sky.







The Fermi Large Area Telescope sees almost one quarter of the sky at all times.







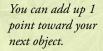
Fermi's Gamma-ray Burst Monitor has 2 types of detectors to detect powerful bursts in a wide energy range.







There are 2 instruments on board Fermi: the Large Area Telescope, and the Gamma-ray Burst Monitor.







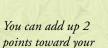
The Fermi satellite's orbit is approximately 560 km in altitude.







The Fermi team is composed of scientists from around the world.



next object.





The Fermi mission is designed to last at least 5 years.









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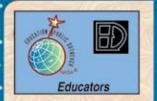




The Fermi Gammaray Burst Monitor has 14 different detectors.



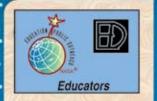




The Large Area Telescope and Gamma-ray Burst Monitor are the two Fermi instruments.







The Fermi mission studies powerful objects and explosive events.







Fermi orbits the Earth once about every 90 minutes.







Fermi launched on a Delta rocket from Cape Canaveral, Florida on June 11, 2008.





The Fermi team is composed of scientists from around the world.





The Large Area Telescope is an imaging wide field-of-view telescope.





The Large Area
Telescope has 16
towers of detectors.





The Fermi mission studies powerful objects and explosive events.





There are 2 instruments on board Fermi: the Large Area Telescope, and the Gamma-ray Burst Monitor.

