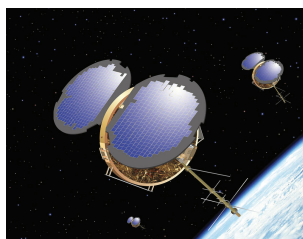


## Student Activity Sheet: **Satellite to Soccer Game Flow Chart** *Satellites and Weather Teaching Box*

Imagine that your soccer team is supposed to have a game on Saturday, but the game will be canceled if it is supposed to rain. The weather forecast can help your team make the decision about whether to cancel the game. Once you've watched the video about how COSMIC satellites monitor the atmosphere, you can figure out what satellites have to do with the soccer game

Directions: Use each item in the box at the lower left in a sentence. Place each sentence where fits in the flow chart. The two items with check marks have been done for you to get you started.



**A COSMIC satellite monitors how GPS radio signals bend in the atmosphere.**

**The satellite collects temperature, pressure, and humidity data.**

**Computers are needed to run the weather model.**

**The data is added to a weather model that helps meteorologists make the forecast.**

**The meteorologist shares the weather forecast and tells people whether a storm is likely.**

**The coaches make a decision about whether to have the soccer game based on the forecast.**

**The soccer game happens on Saturday as planned and it's great.**



- ✓ A COSMIC satellite
- ✓ The soccer game
- Weather forecast
- Computers
- Decision
- Temperature, pressure, and humidity data
- Weather model