

Key Concept Builder **LESSON 3****Weather Forecasts**

Key Concept What instruments are used to measure weather variables?

Directions: On the line before each weather-related detail, write the letter of the term that matches it correctly. Some terms may be used more than once.

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| _____ 1. uses symbols to display information from surface and upper-air reports | A. surface report |
| _____ 2. can be visible or infrared | B. upper-air report |
| _____ 3. describes measurements of weather variables on Earth's surface | C. satellite image |
| _____ 4. orbit about 35,000 km above Earth | D. radar image |
| _____ 5. is especially useful for measuring wind speed during severe weather | E. station model |
| _____ 6. describes what was measured by a radiosonde | F. isobars |
| _____ 7. measures the radiation given off by Earth | G. isotherms |
| _____ 8. measures precipitation by bouncing radio waves off raindrops | H. Doppler radar |
| _____ 9. detects precipitation as well as the movement of small particles | I. satellite |
| _____ 10. lines on a map that connect places of similar air pressure | |
| _____ 11. includes a measurement of wind speed, air pressure, and precipitation | |
| _____ 12. given twice daily at many locations around the world | |
| _____ 13. show the location of high- and low-pressure systems | |
| _____ 14. lines that connect places of similar temperatures | |
| _____ 15. describes conditions above Earth's surface | |