

2.5 Spectrum Scanning

True/False

Indicate whether the sentence or statement is true or false.

- _____ 1. Spectrum scanning plots frequency and intensity.
- _____ 2. The IF gain can be adjusted during a scan.

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

- _____ 3. Spectrum scanning collects radio emissions to analyze what characteristics?
a. color
b. chromatic
c. electromagnetic
d. magnetic
- _____ 4. Incoming waves are separated into a
a. spectrum
b. graph
c. category
d. degree
- _____ 5. Smiley's target is neutral
a. hydroxide
b. helium
c. hydrogen
d. magnesium
- _____ 6. Spectrum scans intensity over
a. spectrum
b. time
c. intensity
d. plot rate
- _____ 7. Frequency range must be entered in
a. inches
b. grams
c. MHz
d. KHz
- _____ 8. The 0-10 scale represents.
a. time
b. intensity
c. IF gain
d. plot rate
- _____ 9. What is the frequency for neutral hydrogen?
a. 1.24 GHz.
b. 1.42 GHZ
c. 1.42 KHz
d. 1.24 KHz

Short Answer

10. Describe how a spectrum scan can be compared to picking up a radio signal on your stereo.

2.5 Spectrum Scanning Answer Section

TRUE/FALSE

1. ANS: T
2. ANS: F

MULTIPLE CHOICE

3. ANS: C
4. ANS: A
5. ANS: C
6. ANS: C
7. ANS: D
8. ANS: B
9. ANS: B

SHORT ANSWER

10. ANS:
The spectrum measures the intensity of the signal in a certain area, just as a certain location on your radio dial determines the strength/clarity of the channel.