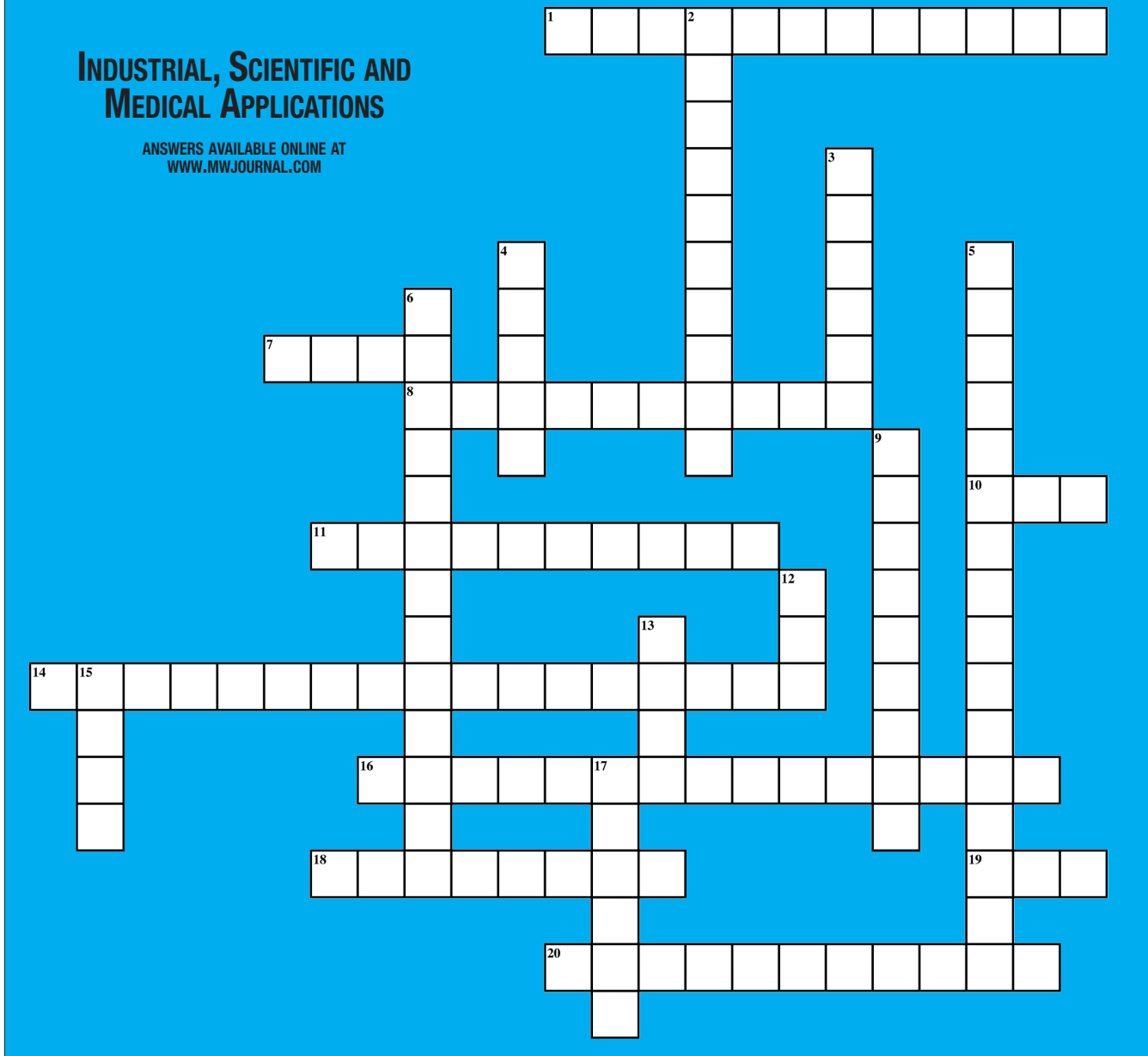




INDUSTRIAL, SCIENTIFIC AND MEDICAL APPLICATIONS

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ACROSS

- 1 BER (3 words)
- 7 Seeks to produce the telecommunications standards that will be used throughout Europe
- 8 Medical treatment found to be most effective for destroying inoperable early stage cancer (2 words)
- 10 RFID transponder attached to an item
- 11 Frequency domain representation of rapid, short-term, random fluctuations in the phase of a wave, caused by time domain instabilities (2 words)
- 14 LNA (3 words)
- 16 Closed cycle helium refrigerators for cryogenic use use this cooling cycle

- 18 A vessel, similar in construction to a vacuum flask, used to maintain cold cryogenic temperatures
- 19 RFID frequency band covering 850 to 950 MHz
- 20 RFID reader mode of operation that prevents readers from interfering with one another when many are used in close proximity to one another (2 words)

DOWN

- 2 The relative power of a materials surface to emit heat by radiation
- 3 Cryogenic temperatures are typically measured using this temperature scale
- 4 Vacuum-jacketed vessel used for the storage of liquid gases

- 5 Noise figure expressed in Kelvins typically used by radio astronomers (2 words)
- 6 Four full anatomical 3D surface models of a family used to investigate the effects of MRI fields on the body (2 words)
- 9 Organization leading the development standards for the Electronic Product Code to support RFID
- 12 Specific absorption rate
- 13 Radio frequency identification
- 15 Oven controlled crystal oscillator
- 17 RFID interrogator