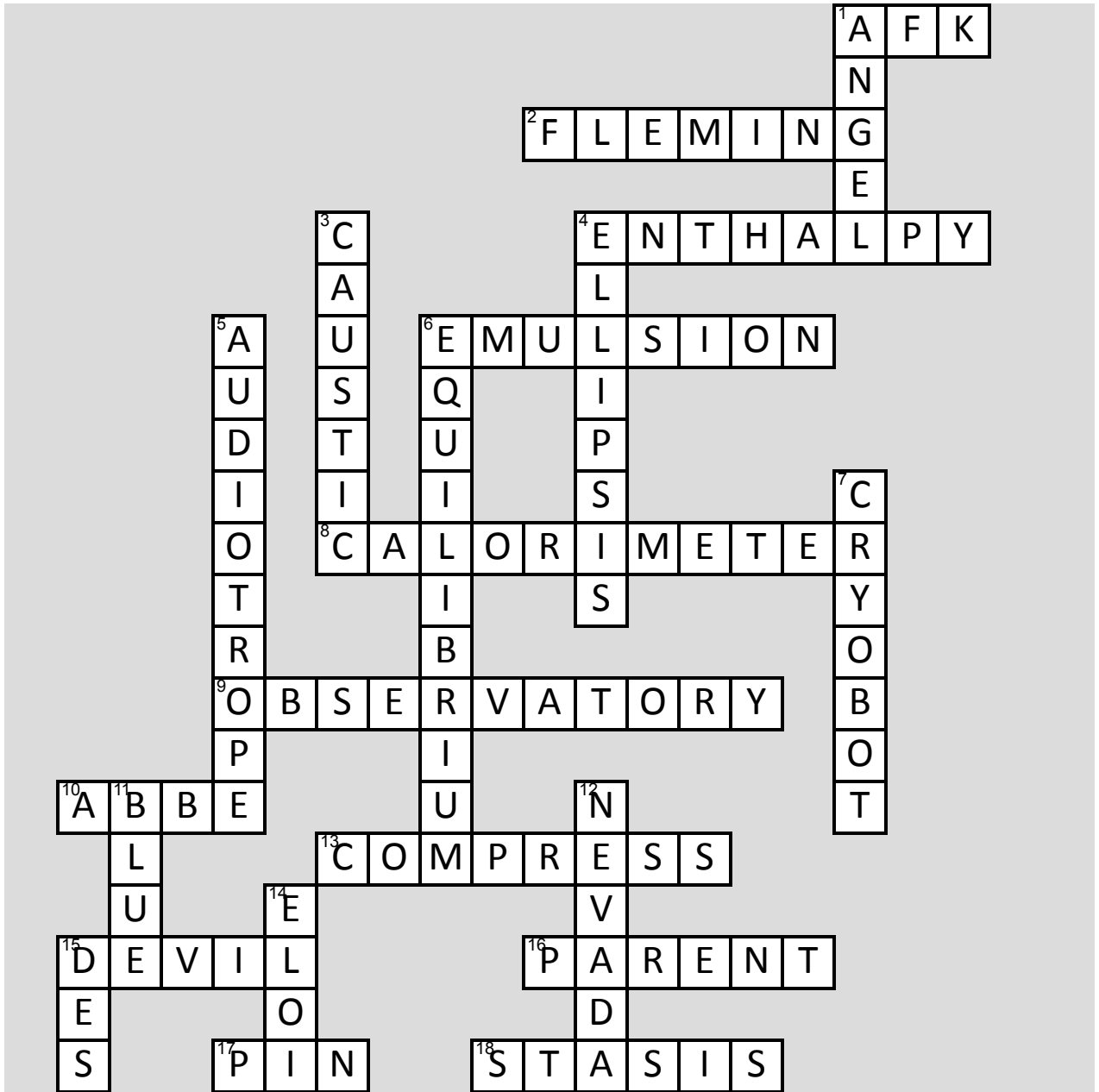


#1



**Across**

- 1 Away from keyboard
- 2 English electrical engineer (1849–1945) credited with designing the thermionic valve. Hint: 007
- 4 The H in the following equation:  $H = E + PV$ . Think: heat content
- 6 A layer of silver bromide and gelatin that coats photographic film
- 8 An instrument for measuring absorbed and discharged heat
- 9 A room or building that's used for observing and studying astronomical occurrences
- 10 German scientist (1840–1905) who designed the first refractometer. You might have used the prism that bears his name
- 13 To make digital information more compact and thereby take up less space
- 15 }:[]
- 16 A UNIX or DOS directory located above a "child."
- 17 A thin metal prong found on MCUs and connectors
- 18 A condition of motionlessness

**Down**

- 1 0:)
- 3 Latin: causticus (combustible or burning)
- 4 ANSI code: 0133
- 5 A type of robot designed to search for the sources of certain sounds
- 6 The state of balance in which opposing forces cancel each other out
- 7 NASA robot used for deep ice exploration
- 11 IBM's color. Hint: "Big xxxx"
- 12 The U.S. state in which Area 51 is located
- 14 The name of the human-like creatures in H.G. Wells's novel *The Time Machine* (1895)
- 15 Encryption standard developed in 1976