



### Across

- 1 Tributary of the Rhine (4)
- 3 Landlocked socialist republic in central Asia (8)
- 9 State in southwestern United States; site of the Grand Canyon (7)
- 10 Member of a Russian ruling dynasty (5)
- 11 Greek mathematician and astronomer who estimated the circumference of the earth and the distances to the Moon and sun (276-194 BC) (12)
- 13 Material used to coat cooking utensils and in industrial applications where sticking is to be avoided (6)
- 15 Seaport on the Don River near the Sea of Azov in the European part of Russia (6)
- 17 Augustinian monk and botanist whose experiments in breeding garden peas led to his eventual recognition as founder of the science of genetics (1822-1884) (6,6)
- 20 United States poet (born in England) (1907-1973) (5)
- 21 The States (7)
- 22 Gradually and progressively (3,2,3)
- 23 Explorer and United States naval officer; led expeditions to explore Antarctica (1888-1957) (4)

### Down

- 1 Chemical agents for use in chemical reactions (8)
- 2 Major port in northwestern Israel (5)
- 4 Worshipping figures in early Christian art (6)
- 5 Beautiful place where Adam and Eve were placed at the Creation (6,2,4)
- 6 Port on the south coast of Brittany (7)
- 7 Town and port in northwestern Israel (4)
- 8 (7,5)
- 12 (8)
- 14 (7)
- 16 (6)
- 18 (5)
- 19 (4)