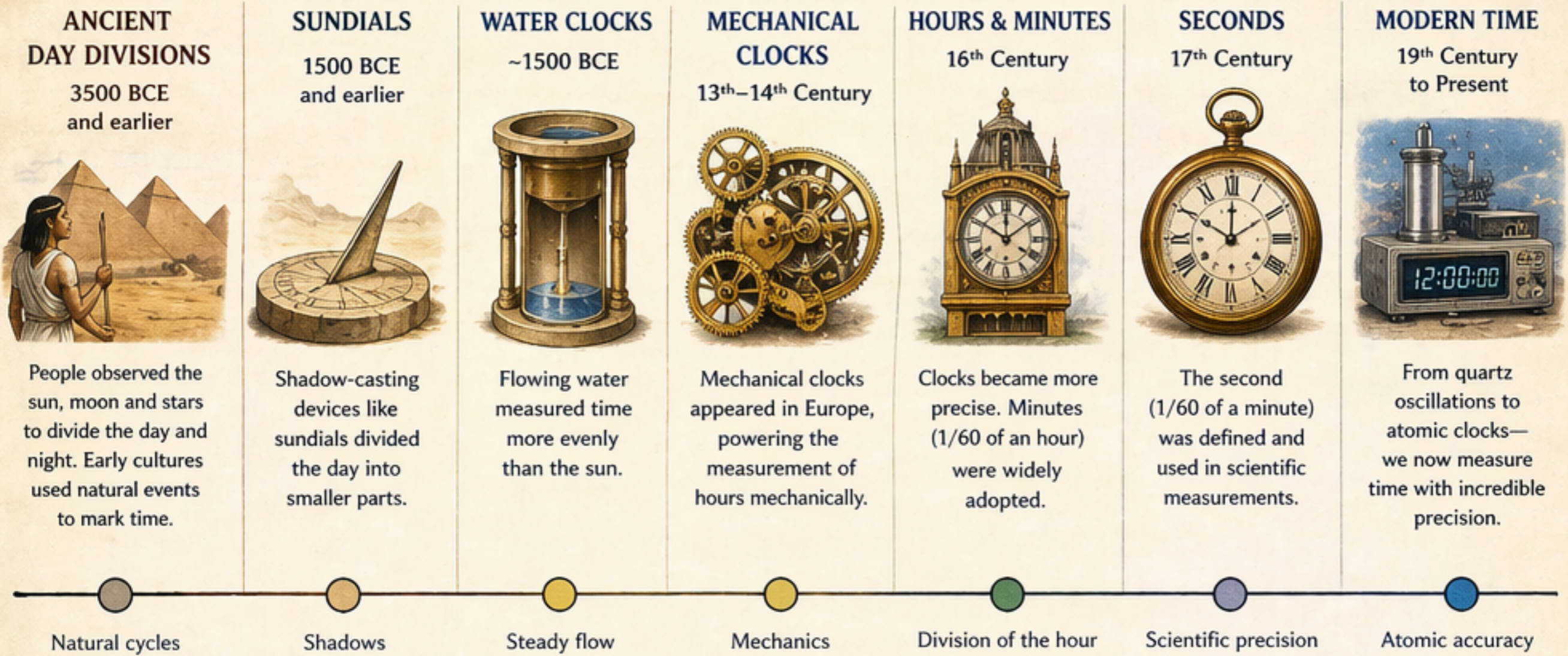


# THE STORY OF TIME

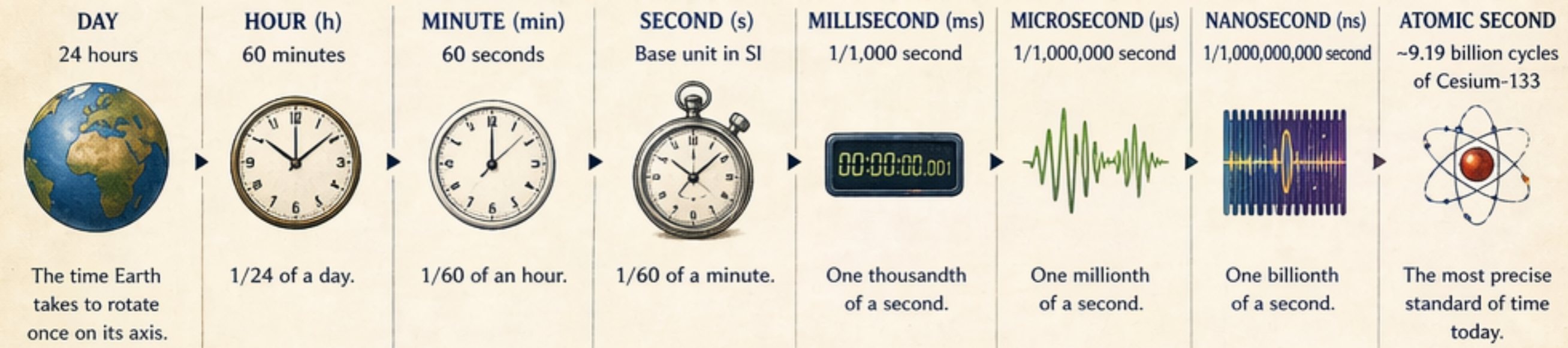
## FROM ANCIENT DAY DIVISIONS TO ATOMIC TIME

Humans have always measured time. From watching shadows to counting atoms, our units of time have evolved with science, technology, and civilization.

### A TIMELINE OF TIMEKEEPING



### FROM BIG TO SMALL – THE MODERN TIME UNITS



### A GLIMPSE INTO HISTORY

- ~3500 BCE Ancient Egyptians divided the day into 12 hours of day and 12 hours of night using star observations.
- ~300 BCE Greeks and Romans used clepsydras (water clocks) and sundials. The day was divided into 24 hours.
- Medieval Era Monasteries in Europe improved mechanical clocks, often striking the hour to call people to prayer.
- 18<sup>th</sup> Century Marine chronometers allowed accurate timekeeping at sea—solving the longitude problem.
- 19<sup>th</sup> Century Standard time zones were introduced as railways demanded synchronized time.
- 20<sup>th</sup> Century Quartz clocks brought accuracy to homes and devices.
- 1955–Present Atomic clocks define the second with unmatched precision—used for GPS, science, and technology.

### CONVERSIONS AT A GLANCE

1 minute (min)	=	60 seconds (s)
1 hour (h)	=	60 minutes (min)
1 hour (h)	=	3,600 seconds (s)
1 day	=	24 hours (h)
1 day	=	86,400 seconds (s)
1 millisecond (ms)	=	0.001 second (s)
1 microsecond (μs)	=	0.000001 second (s)
1 nanosecond (ns)	=	0.000000001 second (s)



### DID YOU KNOW?



A day is slowly getting longer—about 1.7 milliseconds every century.



Your GPS works because atomic clocks keep time with incredible accuracy.



Atomic clocks lose (or gain) less than 1 second in millions of years.



The universe is timed to extraordinary scales—from nanoseconds to billions of years.

TIME IS MEASURED. TIME IS PRECIOUS. TIME CONNECTS US ALL."

# unitconversion.tools

MEASURE • CONVERT • UNDERSTAND TIME

