

AGENDA

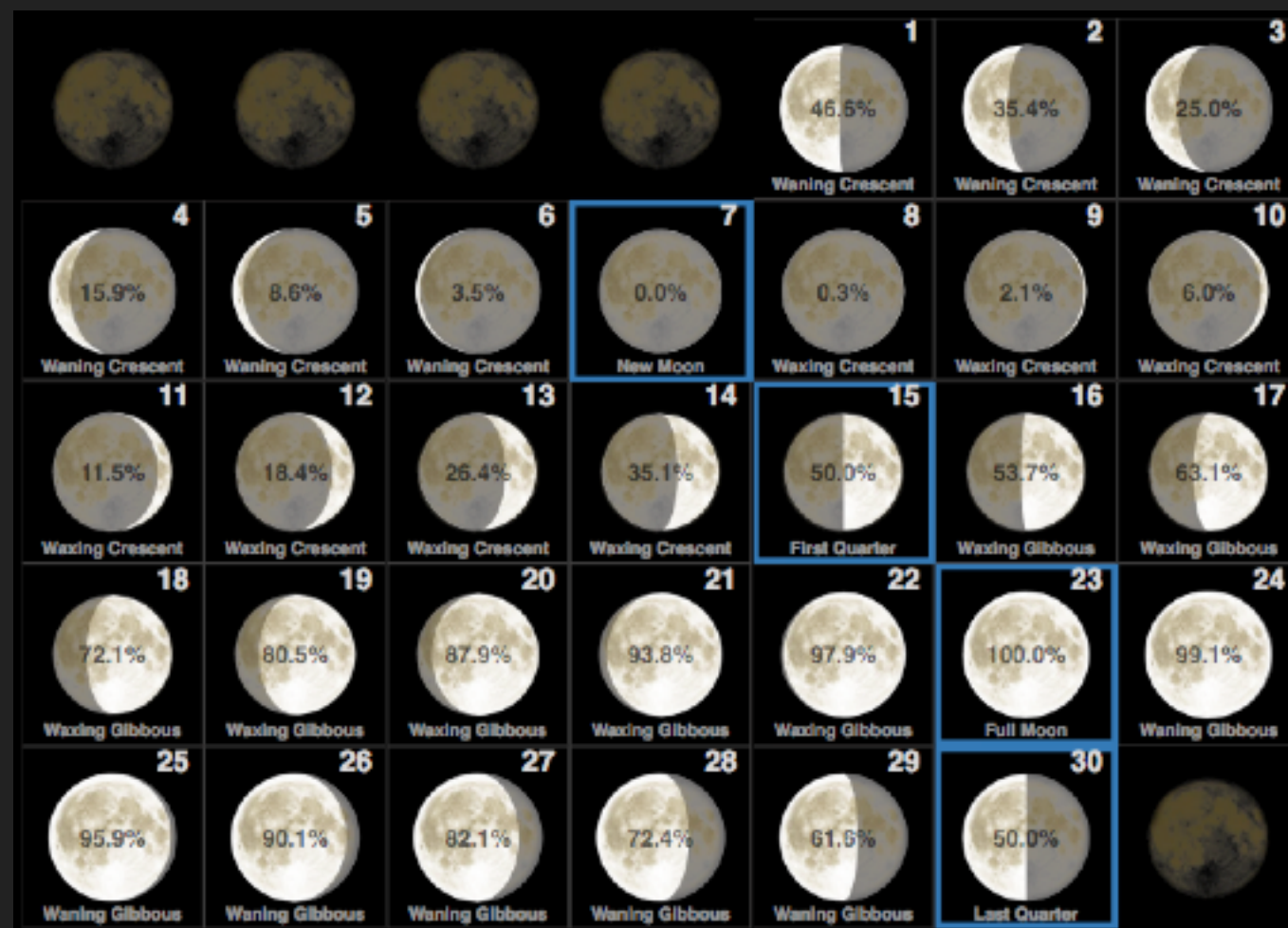
- ▶ Time keeping basics.
- ▶ Customs and society in ancient Rome.
- ▶ Roman calendars.

Watch for quiz sign during the presentation:



MOON PHASES

- ▶ Solar [model](#) was not known to ancient people.
- ▶ Difficult to determine [phase](#) transitions, e.g. 0% visibility for New Moon.
- ▶ Transitions occurs during various times of the day, for example during midday
- ▶ Everyone must agree on the exact time by observing. To this date, Islamic calendar is based on the authorized sighting and the next phase is not set (known) in advanced.



2018 New Moon times GMT timezone

| | |
|--------|-------|
| 17 Jan | 02:17 |
| 15 Feb | 21:05 |
| 17 Mar | 13:11 |
| 16 Apr | 02:57 |
| 15 May | 12:47 |
| 13 Jun | 20:43 |
| 13 Jul | 03:47 |
| 11 Aug | 10:57 |
| 9 Sep | 19:01 |
| 9 Oct | 04:46 |
| 7 Nov | 16:01 |
| 7 Dec | 07:20 |