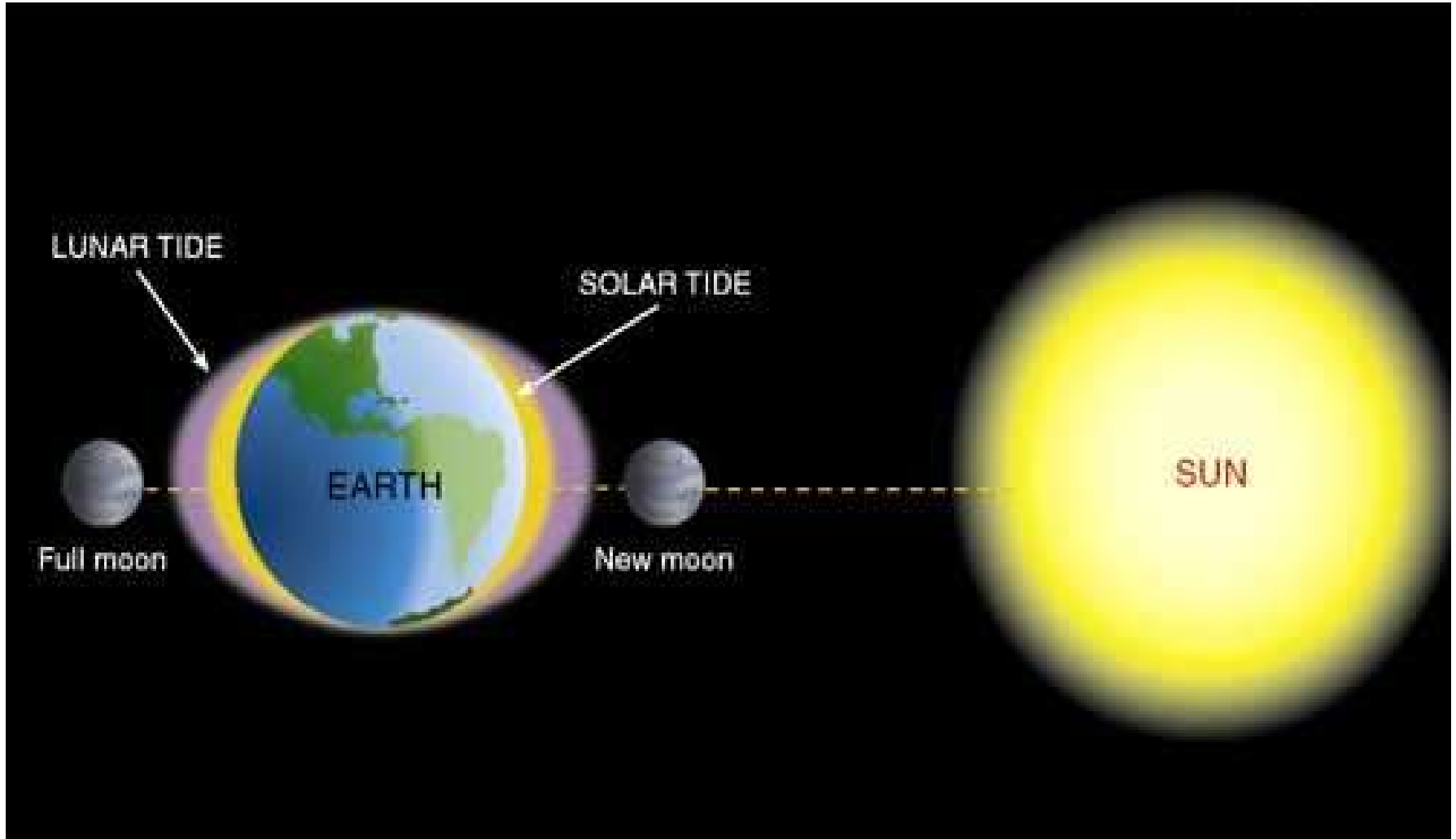


Spring Tides (very high “high tides”)

New Moon and Full Moon pg. 10-23

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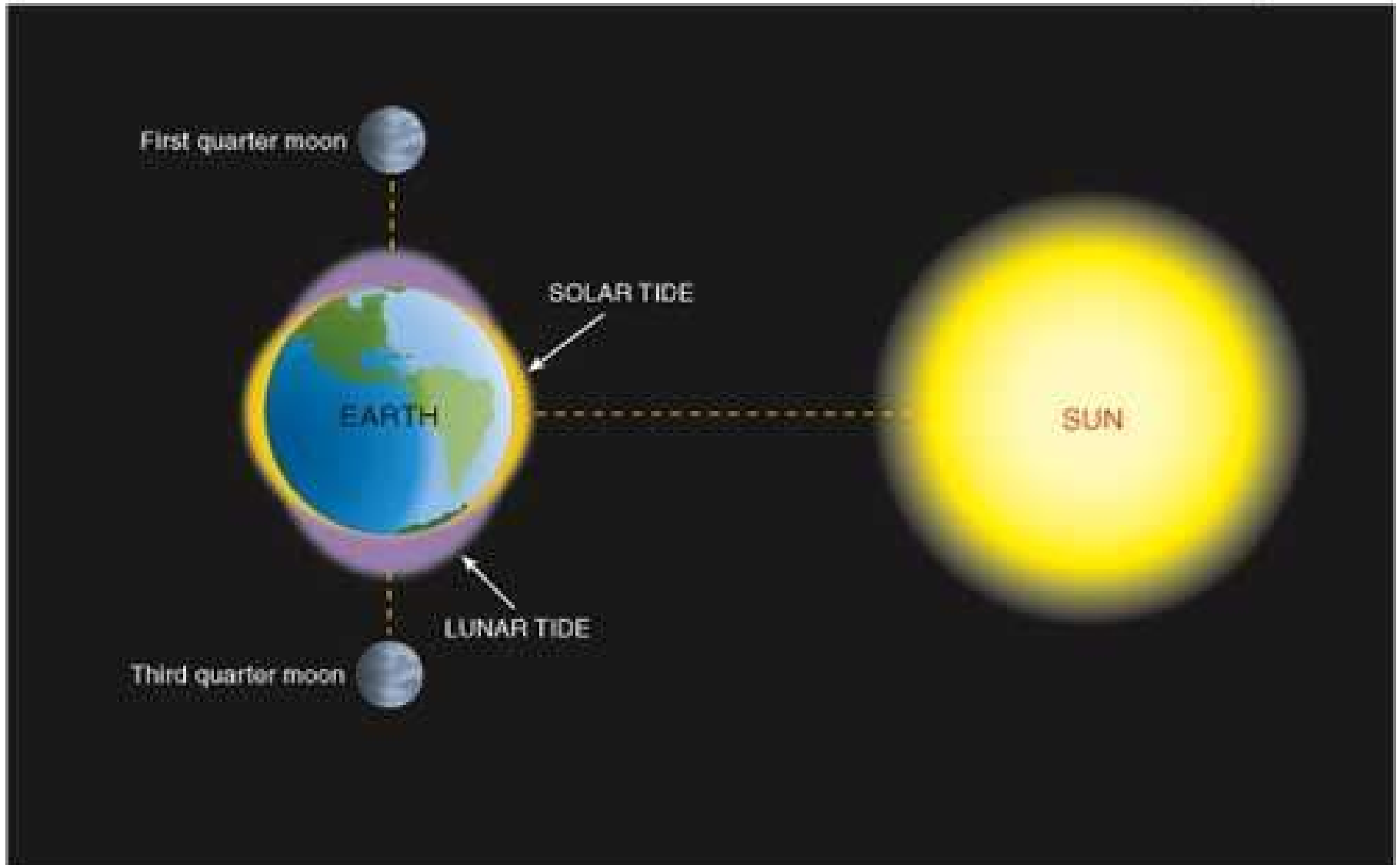
Strong tides

Notes to add to slide 1

- Moon and Sun pull together to create a strong High tide
- The moon has more tidal pull on the ocean than the sun because it is closer to the earth
- Waxing Moon is “growing” bigger each night and Waning moon is “shrinking” each night

Neap Tides (very low “high tides”) pg 10-24

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Neap tides

Notes to add to neap tide

- Tidal pull of moon and sun work against each other to “negate” the affect of the other.
- Sun-Earth-Moon are not aligned in a row but at a 90 degree from each other.

Bay of Fundi (over 50 feet difference!)

www.scottwalking.com



Extreme tides

Write 4 bullet statements that summarize what you learned from these notes

-

-

-

-

Plankton Discussion

- Zooplankton migrate every night in the open ocean. They stay in the deep water during the day and near the surface at night to feed on the Phytoplankton.
- Plankton tend to bloom mid spring and again in the fall due to a nutrients abundance in the water at that time of the year due to upwelling.
- Summer tends to see a fairly stable population size of plankton however when nutrients are in very large amounts Dinoflagellates can and do multiply to very high amounts causing Red Tides. (As many as 2 million per liter of water!)

Name

Date

Period

Food Web/Plankton

Points

Homework Assignment

- 3 1. Agendas (11 total)
- 5 2. Unit Vocab Sheet
- 3 3. Pumpkin Dissection
- 3 4. Aquatic Ecosystems Colorpage
- 5 5. Energy Pyramid Drawing, notes, & food web analysis
- 4 6. Population Size Practice Exercise
- 3 7. Phytoplankton Color page
- 5 8. MEFW Handout Questions 1-10
- 1 9. Food Web Crossword Puzzle
- 1 10. Tides Notes
- 3 11. Symmetry notes and activity

32-35 A

36

28-31 B

24-27 C

21-23 D

20 and Below F

Points will be deducted for:

- 1. No title (this sheet complete) -2
- 2. No grading scale -2
- 3. Wrong Order -2

Study Guide for Ocean Ecology and Plankton unit (80 points)

- 22 vocab matching (look at vocab sheet and crossword puzzle)
- 15 questions from the Aquatic Ecosystems color page both notes and ID of regions in the ocean
- 9 points from Phytoplankton Color page (ID and anatomy of parts) the anatomical parts colored
- 5 Symmetry questions
- 9 questions on Energy Pyramid and Chemosynthetic food webs activity questions and Symbiosis
- 5 questions from Pumpkin Dissection
- 6 questions from Readings from Textbook
- 7 questions from Predator Prey and Populations handout
- 2 Tide Questions