

A cartoon illustration featuring a large, smiling yellow sun on the left, a globe of the Earth on the right, and a blue splash of water in the center. The sun has a wide, toothy grin and several yellow rays emanating from it. The globe shows the continents in green and the oceans in light blue. The water splash is depicted with white droplets and a blue, wavy shape.

# Careers in Earth and Environmental Science

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# Atmospheric Scientists

- Job Description

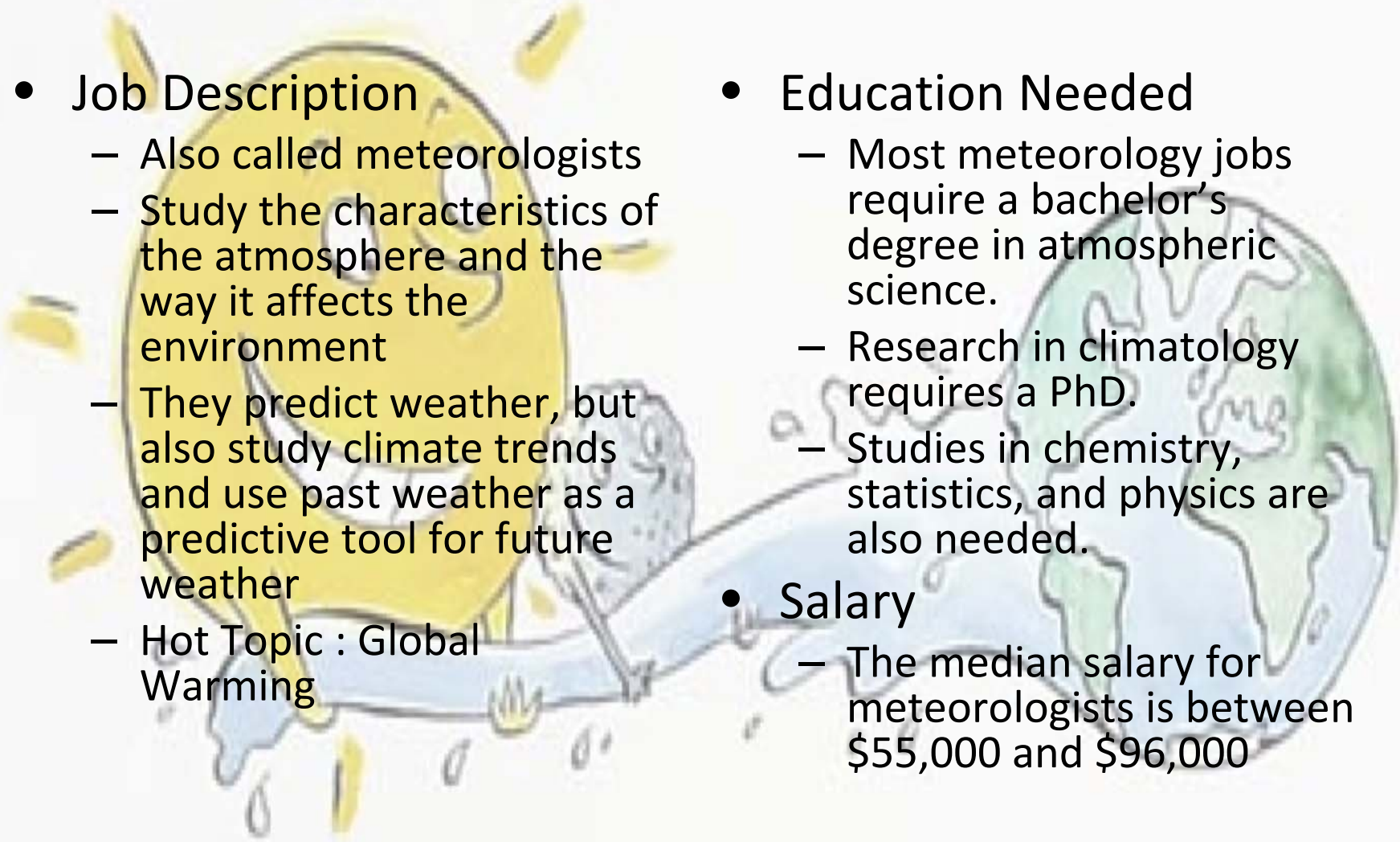
- Also called meteorologists
- Study the characteristics of the atmosphere and the way it affects the environment
- They predict weather, but also study climate trends and use past weather as a predictive tool for future weather
- Hot Topic : Global Warming

- Education Needed

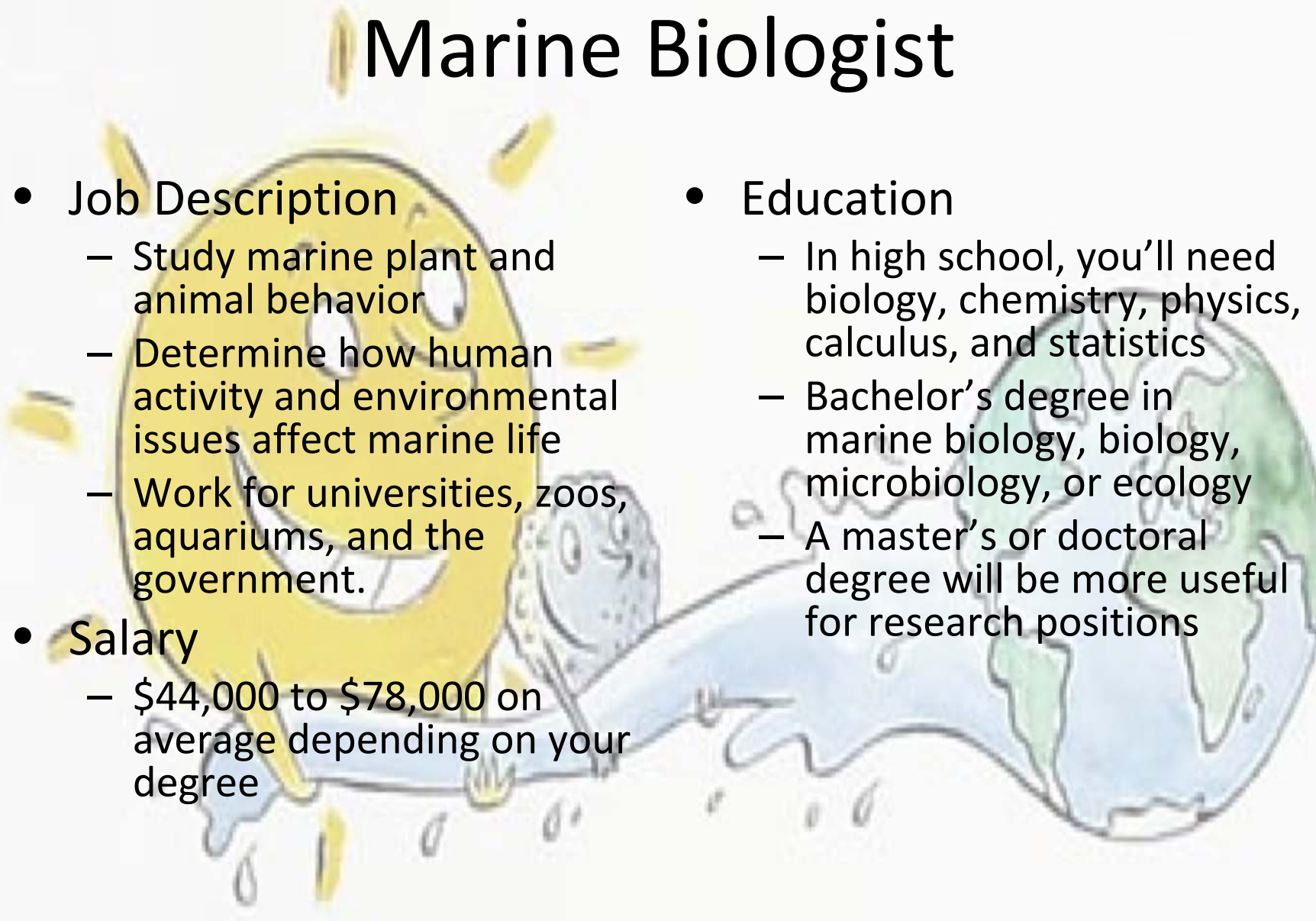
- Most meteorology jobs require a bachelor's degree in atmospheric science.
- Research in climatology requires a PhD.
- Studies in chemistry, statistics, and physics are also needed.

- Salary

- The median salary for meteorologists is between \$55,000 and \$96,000



# Marine Biologist



- Job Description

- Study marine plant and animal behavior
- Determine how human activity and environmental issues affect marine life
- Work for universities, zoos, aquariums, and the government.

- Salary

- \$44,000 to \$78,000 on average depending on your degree

- Education

- In high school, you'll need biology, chemistry, physics, calculus, and statistics
- Bachelor's degree in marine biology, biology, microbiology, or ecology
- A master's or doctoral degree will be more useful for research positions

# Botanist

A cartoon illustration featuring a large, smiling yellow sun with rays on the left and a smiling green and blue globe on the right. A blue hand is shown holding the globe. The sun and globe are both smiling, and there are some yellow and blue decorative elements around them.

- Job Description

- study plants and apply their knowledge to teaching and research in agriculture, horticulture, land use planning, conservation, forestry, and medicine
- Botanists work for environmental consulting firms, farms, nature centres, botanical gardens, and universities
- Botanists spend a lot of time outside and in remote locations

- Education Needed

- In high school, you'll need to focus on biology, chemistry, English, and math.
- Bachelor's degree is required, but an advanced degree will make you more competitive in research.
- Botanists also need to be familiar with navigating the wilderness.

- Salary

- Botanists make anywhere between \$32,000 and \$55,000