



California Science Center
CALIFORNIA STATE SCIENCE FAIR
2001 PROJECT SUMMARY

Your Name (List all student names if multiple authors.)

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Science Fair Use Only

J0507

Project Title (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9)

Moon Phases and Tides

Division

Junior (6-8) **Senior (9-12)**

Preferred Category (See page 5 for descriptions.)

5 - Earth Sciences/ Planetary Sciences/ Physical Environments

Abstract (Include Objective, Methods, Results, Conclusion. See samples on page 14.)

Use no attachments. Only text inside these boxes will be used for category assignment or given to your judges.

OBJECTIVE: The purpose of this project was to explain why we see moon phases and how the moon effects the ocean tides.

METHODS: We gathered as much research information as possible from the library and the internet. We studied the information and wrote a report explaining moon phases and the moons effect on the tides. We then made a model showing the moon phases, drew diagrams to explain and show the Neap and Spring Tides and made a "Tide Dial" which demonstrates why there are two high tides a day around the world. An oral report was given to our class.

RESULTS: We educated ourselves and others about the moons effect here on Earth. Our models help give a clear picture to go with our explanations.

CONCLUSION: We have learned a lot about the Moon Phases and Tides. We know that we have tides mainly because of the Moon's gravitational pull on the Earth.

Summary Statement (In one sentence, state what your project is about.)

Our project explains why we see different phases of the moon and how the moon effects the tides.

Help Received in Doing Project (e.g. Mother helped type report; Neighbor helped wire board; Used lab equipment at university X under the supervision of Dr. Y; Participant in NSF Young Scholars Program) See Display Regulation #8 on page 4.

Mother helped type report. Parents helped oversee construction of moon phase model.