

CALIFORNIA STATE SCIENCE FAIR 2004 PROJECT SUMMARY

| Name(s) | Project Number |
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| Christine Goetsch; Caroline Logan | J1309 |
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| How Much Bacteria Is on Your Retainer? | |
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| Objectives/Cools Abstract | |
| The goal of our science project was to see if time and brushing efferetainers. Methods/Materials First we gathered ten test subjects that were willing to be a part of or directions as to what to do. Following that, we took samples of the retainers. Thus, with the help of the Sansum laboratory and Dr. Jan colonies. Results After spending many hours in the laboratory counting bacteria sam retainer is in ones mouth without being brushed, the more bacteria incubating the bacteria and then counting each colony that appeared the students who wore their retainers for 4 hours had less bacteria t for 16 hours. Furthermore, the people that did not brush their teeth did brush their teeth. Conclusions/Discussion We came to the conclusion that time and brushing do effect the am The longer the retainer is in ones mouth without being brushed the is because bacteria feeds of plaque and one develops plaque when the students who the student is because bacteria for plaque and one develops plaque when the student is because bacteria feeds of plaque and one develops plaque when the student is because bacteria feeds of plaque and one develops plaque when the student is because bacteria feeds of plaque and one develops plaque when the student is because bacteria feeds of plaque and one develops plaque when the student is because bacteria feeds of plaque and one develops plaque when the student is because bacteria feeds of plaque and one develops plaque when the student is because bacteria feeds of plaque and one develops plaque when the student is because bacteria feeds of plaque and one develops plaque when the student is because bacteria feeds of plaque and one develops plaque when the student is because bacteria feeds of plaque and one develops plaque when the student is because bacteria feeds of plaque and one develops plaque when the student is because bacteria feeds of plaque and one develops plaque when the student is because bacter | ected the amount of bacteria growth on our experiment. Then, we gave them e bacteria colonies from each of their ne we were able to incubate the bacteria uples, we came to realize, the longer the is present. We found this by d on the petri dishes. We noticed that than the people who wore their retainers in had more bacteria then the people who nount of bacteria growth on retainers. more bacteria will be produced. This they do not brush their teeth. |
| Summary Statement It was about the effects that time and brushing had on the amount of bactiera present on ones retainer. | |
| Help Received | |

We used the Sansom Laboratory with the help of Dr. Jane