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### **Southern Californians Cope With EQs**

*For decades Southern Californians have worked to reduce their vulnerability to EQs. The 1994 Northridge shock, damaging as it was, proved the value of these efforts. Yet, much more needs to be done. Scientists are preparing new maps of the EQ shaking hazard in Southern California. Such maps help make living in the region safer by focusing efforts to strengthen existing structures and by providing guidance in building new structures.*

*The striking landscapes and hospitable climate of Southern California are home to more than 20 million people and vital elements of the Nation's economy. Unfortunately, the region is also laced with many active faults that can produce strong EQs. The best known example is the San Andreas Fault, which runs almost the entire length of California and generates shocks as large as magnitude 8. In Southern California the last such great EQ was in 1857. Much more frequent are smaller temblors like the 1971 San Fernando and 1994 Northridge EQs; both of these magnitude 6.7 quakes were very damaging.*

*For residents of Southern California, EQs are an unavoidable part of life. Ask someone there about the pros and cons of living in the area, and invariably the disadvantages will include EQs. Nonetheless, Southern Californians have learned, through experience, that it is possible to live with some measure of safety in their EQ-prone land.*

*Advances in engineering and earth science help Southern Californians better prepare for future temblors. New knowledge is applied to make both old and new structures safer in EQs. For example, analyses of damage in past EQs have prompted increasingly strict standards of design and construction. The benefits of more stringent building codes were seen in the Northridge quake; structures built to recent standards generally survived with little or no damage.*

*Older structures that have not been strengthened to meet recent seismic design codes, in particular unreinforced masonry buildings, are the most serious safety threat in EQs. Recognizing this danger, the City of Los Angeles began strengthening such buildings in the early 1980's. More than 6,000 had been reinforced when the 1994 Northridge shock hit. This one program undoubtedly prevented substantial loss of life and property in that temblor.*

*Further efforts to reduce the risk from EQs in an effective and practical way requires knowledge of the level of hazard in different areas. Future EQs are most likely to originate where energy along a fault has built up and has not yet been released in EQs. Studies supported by the National EQ Hazards Reduction Program enable scientists to evaluate the hazard level in different areas. In Southern California, scientists estimate that the probability of a magnitude 7 or greater EQ by the year 2024 is as high as 80 to 90%.*

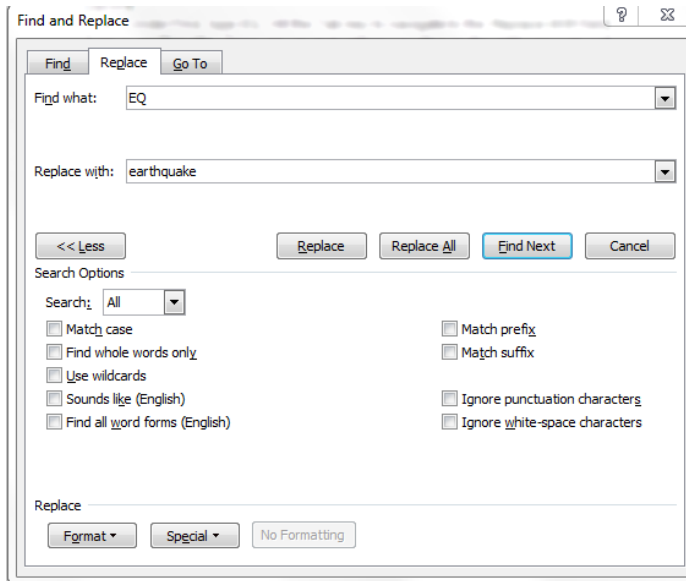
# RHP Computer Applications Class

## 3-4n Find, Search & Replacing Text (RI)



Save this document in your system folder.

We will be using the Search and Replace feature in Word to make a number of changes to our document. On your keyboard, hit **Ctrl-H**. The Search and Replace window will appear.



Under Find, type EQ. Hit the Tab key to navigate to the *Replace With* field. Type in **earthquake**. There are several options, located on the right. You can just Find the next occurrence, Cancel, Replace (replaces the next occurrence), or Replace all the occurrences. Notice that most of the options have one letter underlined; by holding down the Alt key, you can select the option without using your mouse; the exception is the

Cancel option, but you can cancel any function by hitting the **Esc** key (upper left corner of the keyboard).

There is also a **More** button. Clicking on this button will display additional options. Make sure to check the **Match Case** box. If you don't check this box, you will end up with the word 'earthquake' capitalized throughout your document.

Hit Alt-A to replace all the occurrences of EQ with earthquake. A window will pop up telling you how many replacements occurred.

Next, replace all the occurrences of **Northridge** with **Northridge, California**.

Use the **Save As...** option to save this document under a different name. Email me this file to [rhp@denovodental.com](mailto:rhp@denovodental.com) with the subject line **Compapp 3-4 lastname**.