

2a. Number the carbons of the parent chain so the double bond carbons have the lowest possible numbers. Indicate the double bond by the number of the first alkene carbon.



b. If the double bond is equidistant from each end, number so the first substituent has the lowest number.



3. Write out the full name, numbering the substituents according to their position in the chain and list them in alphabetical order.

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4. If more than one double bond is present, indicate their position by using the number of the first carbon of each double bond and use the suffix -diene (for 2 double bonds), -triene (for 3 double bonds), -tetraene (for 4 double bonds), etc.











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2a. If the two atoms attached to the double bond carbon are identical (designated A and B below), look at all the atoms directly attached to the identical atoms in questions (designated A-1, A-2, A-3 and B-1, B-2, B-3). Assign priorities to all these atoms based on atomic number (1 is the highest priority, 3 the lowest).



- 2b. Compare the highest priority atoms, i.e. compare A-1 with B-1. If A-1 is a higher priority atoms than B-1, then A is higher priority than B. If A-1 and B-1 are the same atom, then compare the second highest priority atoms directly bonded to A and B (A-2 with B-2); if A-2 is a higher priority atom than B-2, then A is higher priority than B. If A-2 and B-2 are identical atoms, compare A-3 with B-3.
- 2c. If a difference still can not be found, move out to the next highest priority group (A-1 and B-1 in the diagram) and repeat the process.



































