TEXT FIG 26.1
Figure 9. The Cutting Rules.
Figure 2.3. (a) A simple way to redraw the pattern of change

Biology 2010: A Phylogenetic Tree

“Reptiles”

- Lizards
- Snakes
- Crocodiles
- Birds

Features:
- Feathers
- Scales
Homology
Vertebrate forelimb example

Human
Cat
Whale
Bat
Convergence

Ocotillo from SW USA
*Fouquieria*  *Fouquieriaceae*

*Alluaudia* from Madagascar
*Didieriaceae*
TEXT FIG 25.13
(a) Character table

<table>
<thead>
<tr>
<th>CHARACTERS</th>
<th>Lancelet (outgroup)</th>
<th>Lamprey</th>
<th>Tuna</th>
<th>Salamander</th>
<th>Turtle</th>
<th>Leopard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertebral column (backbone)</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Jaws</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Four walking legs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Amniotic egg</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Hair</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

(b) Cladogram
TEXT FIG
26.1