

## **DIRECTIONS**

Read each question carefully. Determine the best answer to the answer on your answer document.

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**3** 6]h]b[ 'Ú]Yg'Wb hfUbga ]h'X]gYUgYg'UbX'Wbi gY `cgg'cZ'V`ccX'Zcf'Ub]a U`g' ]b bUhi fY" < cfgYg'\Uj Y'XYj Y`cdYX'VY\Uj ]cfg'hc fYdY`'V]h]b[ 'Ú]Yg'gi VX'

h\Uh'U``ck g'\cfgYg'hc fYdY``V]h]b[ 'Ú]Yg3

- $\mathbf{A}$  H\Y'bYfj ci g'gmghYa 'gYbgYg'h\Y'V]h]b['Ú]Yg'UbX'gYbXg'U'g][bU\`hc'
- $\textbf{B} \hspace{0.1cm} \textbf{H} \backslash Y \cdot V \hspace{-0.1cm} \text{W} \hspace{0.1cm} \textbf{f} \hspace{0.1cm} \text{W} \hspace{0.1cm} \textbf{h} \hspace{0.1cm} \text{Y} \hspace{0.1cm} \textbf{h} \hspace{0.1cm} \text{Y} \cdot V \hspace{-0.1cm} \textbf{h} \hspace{0.1cm} \text{b} \hspace{0.1cm} \text{[} \hspace{0.1cm} \textbf{U} \hspace{0.1cm} \text{Y} \hspace{0.1cm} \textbf{S} \hspace{0.1cm} \text{Y} \hspace{0.1cm} \textbf{D} \hspace{0.1cm} \text{Y} \hspace{0.1cm} \textbf{Y} \hspace{0.1cm} \text{Y} \hspace{0.1cm}$
- $\textbf{C} \quad \text{H\Y'a i gWi'`Uf'gmghYa 'gYbgYg'h\Y'V]h]b[ 'Ú]Yg'UbX'gYbXg'U'g][ bU``hc'' a i gWi'`Uf'gmghYa 'gYbgYg'h\Y'V]h]b[ 'Uf'gmghYa 'gYbgYg'h\Y'V]h]b[ 'Uf'hc'' a 'gYbgYg'h\Y'V]h]b[ 'Uf'gmghYa 'gyhya 'g$
- $\textbf{D} \hspace{0.1cm} \textbf{H} \backslash Y^{\cdot}] b \hspace{0.1cm} \textbf{h} \hspace{0.1cm} \textbf{[i a YbhUfmigmghYa 'gYbgYg'h} \backslash Y^{\cdot} V] \hspace{0.1cm} \textbf{h}] b \hspace{0.1cm} \textbf{['Ú]} \hspace{0.1cm} \textbf{Y} \hspace{0.1cm} \textbf{G} \hspace{0.1cm} \textbf{Y} \hspace{0.1cm} \textbf{Y} \hspace{0.1cm} \textbf{Y} \hspace{0.1cm} \textbf{J} \hspace{0.1cm} \textbf$

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11 6`i Y'Úm]b['Ùg\``]j Y']b'h\Y'i ddYf``UmYfg'cZ'h\Y'cWYUb"'6`i Y'Úm]b['Ùg\`\Uj Y'Yb`Uf[YX'dYV\cfU``Ùbg'h\Uh'YbUV`Y'h\Ya'hc'[`]XY'Zcf'(\$\$'a YhYfg'UVcj Y'h\Y'cWYUb'gi fZUWY'UbX'UddYUf'hc'Úm'

dYWcfU``Ùbg']b'V'i Y'Úm]b['Ùg\3

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- **B** h\Y]f``Uf[Yf'dYWcfU``Ùbg"
- C: ]g\ k ]h\ Yb`Uf[YX`dYWhcfU``Ùbg`k YfY`UV`Y`hc`[`]XY`ci h`cZ`h\Y`cWYUb`hc`YgWUdY`dfYXUhcfgž`]b\WfYUg]b[`h\Y]f`ÙhbYgg"

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**B** VYbYÙV]JU`hfU]hg`dUggYX`Zfca `dUfYbhg`hc`cZZgdf]b[

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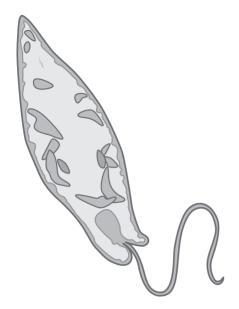
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17 K \m]g ]h]a dcfhUbhhc Ugg][b YUVX cf[Ub]ga U gV]Ybh]ÙWbUa Y3

**A** 9UVX 'gV]Ybh]ÙWbUa Y 'Udd`]Yg 'hc 'cb`mcbY 'gdYV]Ygž 'a U\_]b[ ']h' i b]j YfgU``m']XYbh]ÙUV`Y 'hc 'gV]Ybh]ghg"

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 $gYU`YX`UUg\_"`H\Y`UUg\_`fYdfYgYbhYX`9Ufh\ \\ bg`Uha\ cgd\YfYz`UbX`h\Y``Ua\ d`$ 

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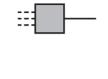
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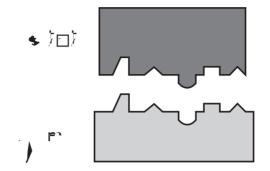
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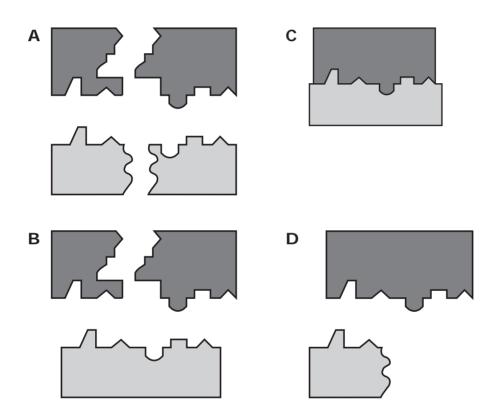
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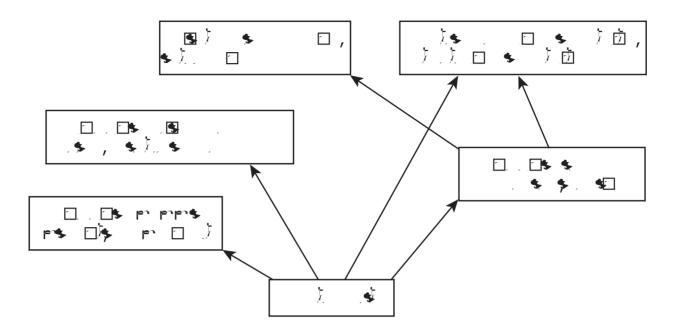
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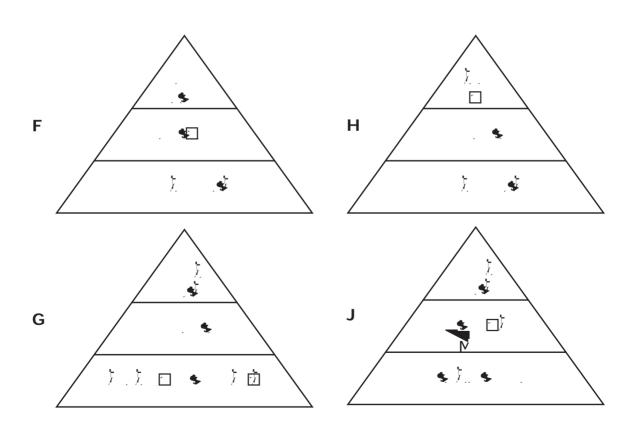


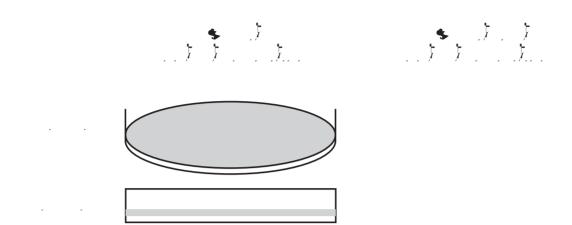
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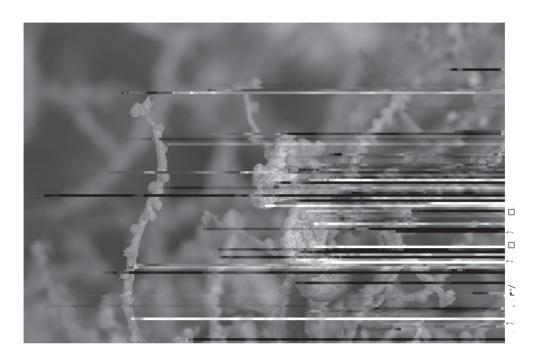
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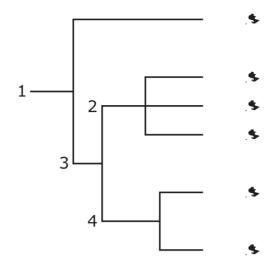
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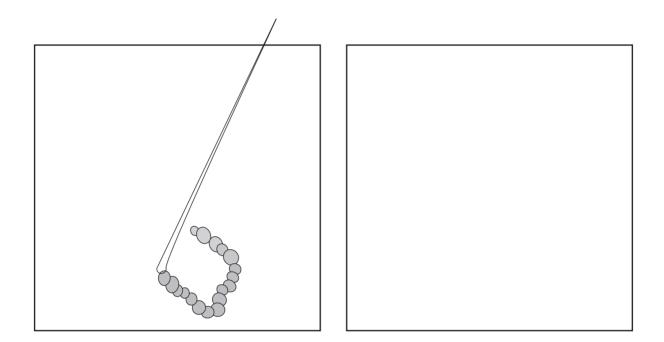
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 $\label{eq:K-lambda} $$K \setminus ]W\ bi \ a \ VYfYX``cWUh]cb`cb`h\ Y`d\ m`c[YbYh]WhfYY`]XYbh]\dot UYg`$$ 



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49 A cgh'Ub]a U`g`Uj c]X`YUh]b[ 'a cbUfV\\ Vi hh\f\\]Yg`Xi Y`hc`h\Y]f`VUX`hUgh\'''
J ]\Wfcm\Vi hh\f\\]Yg``cc\_ j Yfmg]a ]`Uf`hc`h\Y`a cbUf\\\g''

- A J ]WfcmVi HYfÚ]Yg'UfY'UV'Y hc fYdfcXi W'k ]h\ h\Ya cbUfW\ Vi HYfÚ]Yg"
- **B** J ]WfcmVi hYfÚ]YgʻUfYʻUV`YʻhcʻXYhYfʻdfYXUhcfgʻ]bʻh\YʻgUa Yʻk UmʻUgʻh\Yʻa cbUfW\'Vi hYfÚ]Yg"
- C J ]WfcmVi hYfÚ]YgʻUfYʻUV`YʻhcʻZc``ck 'h\Y`a ][ fUhcfmidUhYfbgʻcZ'h\Y` a cbUfVXʻVi hYfÚ]Yg"
- D J ]WfcmVi HYfÚ]YgʻUfYʻUV`Y`hc`ÙbX`UXX]h]cbU``gci fWfg`cZʻZccX`i gYX` Vmh\Y`a cbUfW\Vi HYfÚ]Yg"

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