Chemguide - questions

GEOMETRIC ISOMERISM – E/Z NOTATION

Before you start this, make sure that you are clear in your mind which way around E and Z are in terms of opposite side or same side of a double bond. Otherwise you will get every single question wrong!

In each of these questions, decide whether the structure drawn is the E- or Z- isomer.

1.
$$H_{C} = C_{Br}^{H}$$
2.
$$H_{C} = C_{H_{3}}^{CH_{3}}$$
3.
$$H_{C} = C_{H_{3}}^{CH_{3}}$$
4.
$$H_{C} = C_{H_{3}}^{CH_{3}}$$
4.
$$H_{C} = C_{H_{3}}^{CH_{3}}$$
5.
$$C_{H_{3}}^{I} C_{H_{2}}^{I} C_{H_{3}}^{I} C_{H_{2}}^{I} C_{H_{2}}^{I} C_{H_{3}}^{I} C_{H_{2}}^{I} C_{H_{2}}^{I} C_{H_{3}}^{I} C_{H_{2}}^{I} C_{H_{2}}^{I} C_{H_{3}}^{I} C_{H_{2}}^{I} C_{H_{2}}^{I} C_{H_{2}}^{I} C_{H_{2}}^{I} C_{H_{3}}^{I} C_{H_{2}}^{I} C_{H_{2}}^{I} C_{H_{3}}^{I} C_{H_{2}}^{I} C_{H_{2}}^{I} C_{H_{3}}^{I} C_{H_{2}}^{I} C_{H_{2}}^{I} C_{H_{3}}^{I} C_{H_{3}}^{I}$$

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