

- What do a lot of weight loss programs include?** stimulants
- What have been used to combat depression?** Amphetamines
- What is an amphetamine?** type of drug that also describes a family of structurally similar drugs derived from amphetamine, its a stimulant. is purely synthetic had been used for weightless, depression - a stimulant
- What does PEA stand for?** Beta-Phenethylamine
- What is a structure of an amphetamine?** Beta-phenethylamine beta - (PEA)
- What is benzedrine also the name for?** Amphetamine
- what does Amphetamine do?** counteracts fatigue and increases endurance, used in WW2, still today by truckers

8. **a phenal ring**



What is the 6 sided part of this?

9. **Amphetamine**



- What is a chiro centre? Chirelity** means the point in the centre has 4 other things bonded to it (carbons)
- do optical isomers have the same melting point as their mirror images** yes
- how do optical isomers differ regarding thier mirror image?** only in regard to thier handed medium or optical rotation, physical properties are the same
- what kind of centre does benzedrine have?** a chiro centre, and has 2 isomers
- If something has a chiral centre, then** it has 2 optical isomers
- Dexedrine: D -isomer** rotates plane of polarized light in the dextro-rotatory direction and is a strong CNS Stimulant
- For D and LO isomers of Benzedrine, does D or L have a longer half life?** L has longer half life
- Commercial benzedrine** is the racemic mixture of D and L (50% of each isomer)
- "benzedrine inhaler"** used to clear nasal passages, since benzedrine shrinks the nasal mucosa
- Is Benzedrine a stimulant?** Yes
- What drug do you use to treat narcolepsy? (epileptic seizure disorder- person keeps falling asleep)** Amphetamines
- What calms down hyperkinetic children?** Amphetamines, maybe due to release of seotonin
- what is a moderate oral dose of amphetamines (to have similar effect to adrenaline)** 1-50mg

23. **Effects of moderate amphetamine** . CNS stimulation: mood elevation, better concentration 2. Delay the onset of fatigue
3. Increase blood pressure 4. Increase respiration rate 5. raise blood sugar levels 6. dilate bronchii 7. divert blood flow from internal organs to skeletal muscle 8. constrict nasal mucous membranes 9 depress appetite 10. Improve athletic performance!!

24. **What drug isn't allowed to athletes?** Amphetamines

25. **What drug has been used as an appetite suppressant?** Amphetamines, but doctors are critical of thier use.

26. **Which type of Amphetamine is approved for appetite suppression?** Benzocaine

27. **What amphetamine has been banned?** PPA (phenylpropanolamine)

28. **Has Amphetamines been used to help treat ADHD?** Yes

29. **what drug causes a high similar to being in love?** Phenylethylamine

30. **Phenylethylamine**

