FREE H_2O

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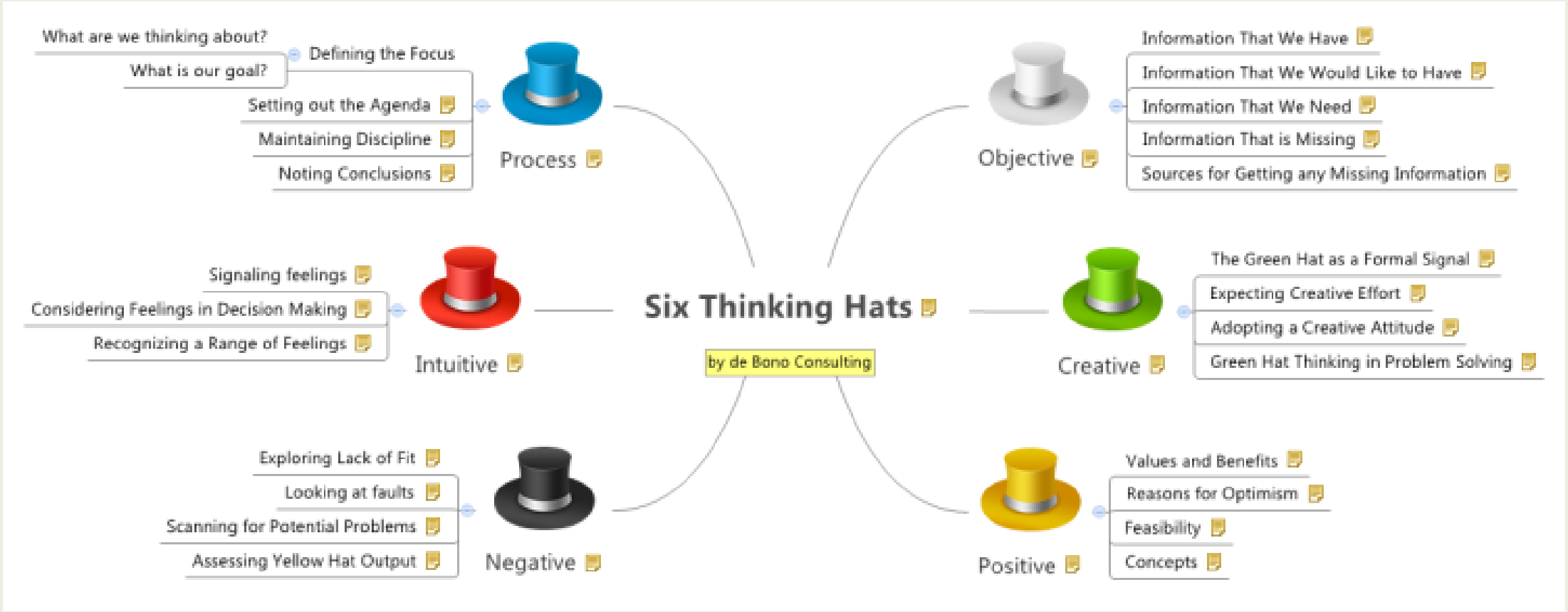
PROBLEM STATEMENT

WASTAGE OF CONDENSED WATER DISCHARGED FROM ACs

You never know the worth of water until the well runs dry.

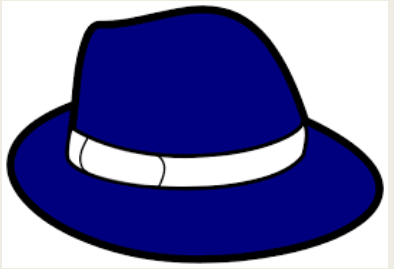
SITUATION THAT MADE US THINK

6 THINKING HATS ANALYSIS

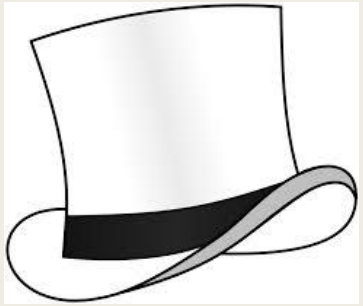


SIX THINKING HATS

- Cost Effective Service
- Better Solution in Unfamiliar Environment



- A central AC for 24 hours will produce 20 litres of condensed water
- Places like hospitals – 60 to 70 ACs
- This produces 600 to 700 litres per day
- Considering this , it is a large amount of water **wastage**



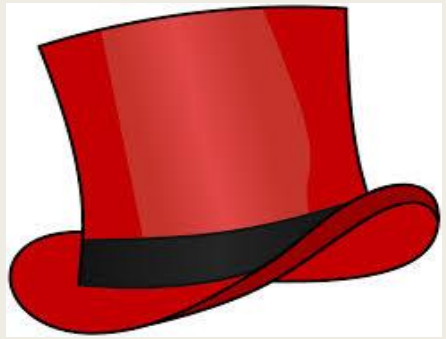
- Irrigation
- Can be directed to Toilet Flush
- Used for Drinking after purification by RO process or ion Exchange

SIX THINKING HATS

- Easy to install
- Solves water crisis to some extent
- Buildings Reuse their Own water
- Producing Something out of Nothing

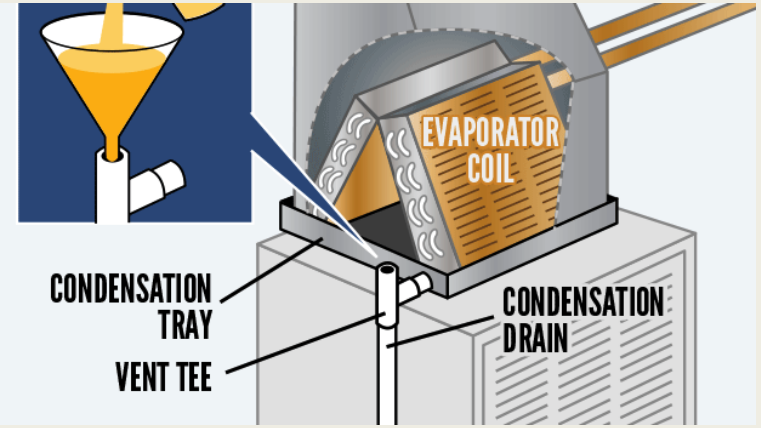
- Laziness among people
- Contains Freons
- Water condensate will dissolve the elements like Zinc, Aluminium but not Lead

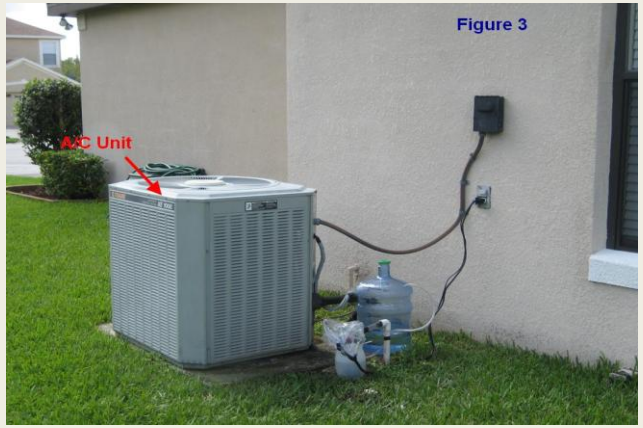
- Work of people is reduced
- People need not spend much for their Drinking water
- Underground water level is increased



CONCLUSION

- The water is gathered from air, utilizing it properly could solve water crisis up to certain extent.
- The water discharged is almost similar to rain water, except from the fact that it has traces of bacteria and dust settled on the pipes of condenser.





FUTURE PERSPECTIVE

- Setup a system to remove bacteria so that the water can be used for drinking purpose.
- Use of IoT devices to divert water once the soil has enough moisture.
- Using condensers that are solar powered to generate water that has humidity , which can be used specifically in deserts and rural areas.

THANK YOU

WATER SMARTER

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