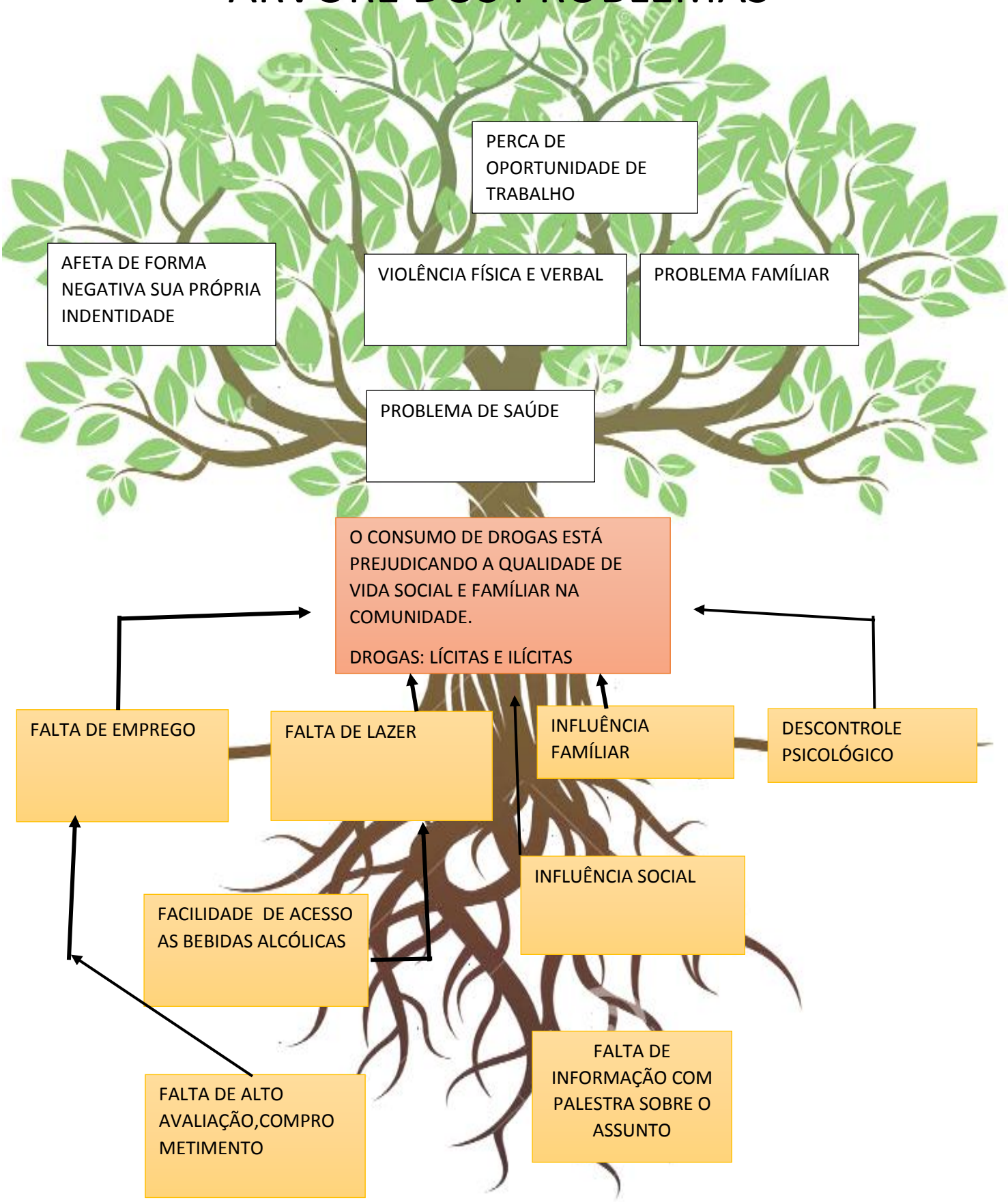ARVORE DOS PROBLEMAS